

VAAGDEVI DEGREE & PG COLLEGE



DIST: HANUMAKONDA, TELANGANA STATE-506001

(Affiliated to Kakatiya University, Warangal)

(e-mail: contact@vaagdevicolleges.com)

website: www.vaagdevicolleges.com)



Criterion: I

Teaching Plans

Biotechnology

VAAGDEVI DEGREE &PG COLLEGE
DEPARTMENT OF BIOTECHNOLOGY
COURSE FILE- III SEM
MOLECULAR BIOLOGY AND r-DNA TECHNOLOGY
2022- 2023

Name of the faculty	K. Hima Bindu B. Kiranmayi
Designation	Lecturer
Email	Bindukurra21983@gmail.com
Course code	BTG-III
Course Title	Molecular biology and r-DNA technology
ACADEMIC YEAR / SEMESTER	2022-23 / III-Sem
NUMBER OF INSTRUCTIONAL HOURS	4hours/week

1. INTRODUCTION TO THE COURSE:

Molecular biology and r-DNA technology are the branches of biotechnology concerned with the study of cell at molecular level that is central dogma of molecular biology and also study of recombinant DNA technology and its applications in different fields.

Vision

To be a center of excellence in value based holistic quality education carving research, innovation and entrepreneurial attitude that transforms students into globally competent society sensitized graduates.

Mission

- To create a student centric institute support with innovative student pedagogy
- To maximize the utilization of the state-of-the-art infrastructure for the overall development of individuals.
- To encourage independent thinking and application-oriented collaborative research in the areas of contemporary interest to contribute to the development of the region and the nation.
- To provide effective teaching& learning environment for training graduates with values, entrepreneurial attitude and globally employable skills.
- To encourage participation in games & sports, co-curricular and extra-curricular activities resulting in overall personality development.

PROGRAM OUTCOMES

1. PO1.Critical Thinking: Take informed actions after identifying the assumptions that frame our thinking and actions, checking out the degree to which these assumptions are accurate and valid, and looking at our ideas and decisions (intellectual, organizational, and personal) from different perspectives.
2. PO2.Effective Communication: Speak, read, write and listen clearly in person and through electronic media in English and in one Indian language, and make meaning of the world by connecting people, ideas, books, media and technology.
3. PO3. Social Interaction: Elicit views of others, mediate disagreements and help reach conclusions in group settings.
4. PO4. Effective Citizenship: Demonstrate empathetic social concern and equity centred national development, and the ability to act with an informed awareness of issues and participate in civic life through volunteering
5. PO5. Ethics: Recognize different value systems including your own, understand the moral dimensions of your decisions, and accept responsibility for them. Manual for Affiliated/Constituent UG & PG Colleges NAAC for Quality and Excellence in Higher Education 175
6. PO6. Environment and Sustainability: Understand the issues of environmental contexts and sustainable development.
7. PO7. Self-directed and Life-long Learning: Acquire the ability to engage in independent and life-long learning in the broadest context socio-technological changes

PROGRAM SPECIFIC OUTCOME

<p>Program Specific Outcomes – B.Sc (Biotechnology)</p>	<p>Students majoring in Biotechnology will develop a comprehensive understanding and appreciation in:</p> <ul style="list-style-type: none">● Aim to provide a firm foundation in every aspect of Biotechnology.● To explain broad spectrum of modern trends in Biotechnology.● To develop curiosity, creativity and understanding links of Biotechnology to other disciplines.● To develop the ability to applied the theoretical knowledge through experiments in Biotechnology.
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Program objectives and Course out comes mapping

ASSESSMENT LEVELS: 0 – NOT MAPPED; 1 –MAPPED AT WEAK LEVEL; 2 – MAPPED AT MODERATE LEVEL; 3 – MAPPED AT SATISFACTORY LEVEL

COURSE TITLE			COURSE CODE				
MOLECULAR BIOLOGY & r-DNA TECHNOLOGY			Elective Course DSE-3				
	PO -1	PO -2	PO -3	PO -4	PO -5	PO -6	PO -7
CO -1	2	1	1	1	2	2	2
CO -2	2	1	1	1	2	1	2
CO -3	2	1	2	1	2	2	2
CO -4	2	1	2	2	2	2	2
TOTAL ATTAINMENT	2	1	1.5	1.25	2	1.75	2

$W_{Pi} = \sum_j (CO_j) / 4 \text{ (i=1 to 10 and j=1 to 4) (} W_{Pi} \text{ is the Weight factor for Programme Outcome PO1)}$

Subject Code	Subject	Name of the Faculty	Signature
DSE-3	Molecular Biology & r-DNA technology	K. Hima Bindu	

Biotechnology
B.Sc - II Year, Semester - III
Core Course III - 3

MOLECULAR BIOLOGY AND DNA TECHNOLOGY

UNIT I

- 1.1 Transcription in prokaryotes: Crystalline synthesis of RNA, basic features of RNA synthesis, Euk. RNA polymerase, Classes of RNA molecules.
- 1.2 Transcription mechanism in prokaryotes - Promoter, initiation, elongation, proof reading and Rho dependent and Rho independent termination.
- 1.3 Transcription in Eukaryotes: Polymers of eukaryotes, Promoters of eukaryotes.
- 1.4 Synthesis of the RNA and post transcriptional modifications.
- 1.5 The Genetic Code, properties of genetic code, Wobble hypothesis.
- 1.6 Translative mechanism in prokaryotes and eukaryotes.

UNIT II

- 2.1 Regulation in Prokaryotes: General aspects of Regulation.
- 2.2 Transcription level regulation - positive, negative regulation.
- 2.3 Auto and co-repressed regulation.
- 2.4 Operon concept - lac, trp, operons.
- 2.5 Translational regulation in Eukaryotic and prokaryotic organisms.
- 2.6 Substrates of Protein synthesis - antibiotics and other inhibitors.

UNIT III

- 3.1 Vectors used in gene cloning: Restriction Endonucleases, Ligases, Phosphatases, Methylases, Kinases.
- 3.2 Cloning vehicles: plasmids, cosmids, phage vectors.
- 3.3 Construction of genomic and cDNA libraries.
- 3.4 Identification of cloned genes - Colony hybridization.
- 3.5 Expression vectors: Bacterial vectors.
- 3.6 Yeast vectors.

UNIT IV

- 4.1 Principles, Methodology and application of PCR technology.
- 4.2 Variations of PCR.
- 4.3 DNA Sequencing technique and its application in forensic medicine.
- 4.4 Principles involved in cloning techniques - Southern, Northern and Western.
- 4.5 Genomes sequencing: Sanger mode of sequencing.
- 4.6 Applications of c-DNA technology in medicine.

   
Chair Person
Board of Studies in Biotechnology
Kannur University
Kannur - 694 504, KA, PIN 694 504

Practical Paper – III

1. Isolation of DNA from plant, animal/bacterial cells
2. Isolation of plasmid DNA
3. Analysis of DNA by agarose gel electrophoresis
4. Restriction digestion of DNA
5. PCR
6. Competent cell preparation, transformation and selection

Spotters

1. Spliceosome
2. RNAP
3. t-RNA
4. Lac Operon
5. S-caps
6. PBR 322
7. Reverse transcriptase
8. Shine-Dalgarno sequence
9. Taq DNA polymerase
10. YAC

Reference Books

1. Molecular Biology of the Gene – By Watson, Hopkins, Guberts, Steitz and Weiner (Pearson Education)
2. Cell and Molecular Biology – By Roberts & Roberts, Publ: Waverly
3. Text Book of Biotechnology – By J. D. Hawkins, Publ: Cambridge
4. Genetic Engineering – By R. Williamson, Publ: Academic Press
5. Principles of Gene Manipulation By R.W. Old & S.B. Primrose, Publ: Blackwell
6. Genes – By S. Lewin Oxford Univ. press
7. Molecular biology and biotechnology by H.D Kumar, Publ: Vikas
8. Gene and Genomes By Maxine Singer and Paul Berg
9. Principles of Gene manipulation by R.W. old and S.B Primrose, Publ: Blackwell
10. Molecular biology by G. Froehner, Publ: Norton

TEACHING PLAN

Sl No	Unit / Topic	Teaching Planned on Date	No of Periods Planned	Course Outcomes	Teaching aids used	Books Referred
1	Transcription and translation: Mechanisms of transcription and translation in prokaryotes and eukaryotes, enzymatic synthesis of RNA, post transcriptional and translational modifications.	18/08/22 TO 06/09/2022	21	CO1	Online Classes Platform: MicroSoft Teams	<ul style="list-style-type: none"> • Gene biotechnology by- Jogdand. • P.K.Gupta.
2	Regulation mechanisms: Transcriptional and translational level regulations. Inhibitors of protein synthesis- antibiotics.	07/09/22 To 26/09/22	22	CO2	Online Classes Platform: MicroSoft Teams	<ul style="list-style-type: none"> • P.K.Gupta • Molecular biology genetic engineering and immunology By- B.D.Singh
3	r-DNA Technology: enzymes used in gene cloning, vectors(expression and cloning vectors), plasmids, genomic libraries and c-DNA libraries	5/10/22 TO 1/11/2022	18	CO3	Online Classes Platform: MicroSoft Teams	<ul style="list-style-type: none"> • Gene biotechnology
4	PCR technology, DNA finger printing, blotting techniques(southern, western, northern), sanger sequencing, applications of r-DNA technology in medicine.	4/11/22 TO 21/11/2022	23	CO4	Online Classes Platform: MicroSoft Teams	<ul style="list-style-type: none"> • Gene biotechnology

List of Recommended Text Books

SN O	Name of the Book	Author
1	Molecular biology	Watson , Hopkins
2	Molecular biology	D.Freifelder
3	Cell and molecular biology	Robertis

List of Reference Text Books

SN O	Name of the Book	Author
1	Molecular biology	P.K.Gupta
2	r-DNA Technology	Gene biotechnology
3	Microbial physiology and genetics	B.D.Singh R.P.Singh

List of URL's to be Referred

SN O	Name of the URL
01	https://www.elsevier.com/books/molecular-biology/clark/978-0-12-813288-3
02	https://www.springer.com/series/7651

**METHODOLOGY FOR CONTINUOUS INTERNAL
EVALUATION & EXTERNAL ASSESSMENT:**

SNO	NAME OF THE EXAM	MAX MARKS
01	Unit test	20
02	Internal examinations	20
03	Pre final examinations	80

RECORD OF TUTORIAL CLASSES CONDUCTED

SNO	DATE	NAME OF FACULTY	TUTORIAL TOPIC
1	02/09/2022	B.Kiranmayi	Transcription in prokaryotes
2	23/09/2022	B.Kiranmayi	Transcription in eukaryotes
3	21/10/2022	B.Kiranmayi	Translation in prokaryotes
4	20/09/2022	B.Kiranmayi	Translation in eukaryotes
5	12/09/2022	B.Kiranmayi	Regulation in prokaryotes
6	11/10/2022	B.Kiranmayi	Regulation in eukaryotes
7	14/10/2022	B.Kiranmayi	Lac-operon, Trp-operon, antibiotics.
8	26/10/2022	K. Hima Bindu	Restriction enzymes, ligases
9	14/09/2022	K. Hima Bindu	cDNA library, colony hybridization
10	15/11/2022	K. Hima Bindu	PCR, DNA fingerprinting
11	16/11/2022	K. Hima Bindu	Blotting techniques, applications of r-DNA technology

RECORD OF MAKEUP CLASSES CONDUCTED

Date: 20/09/2022

Faculty Name: B.KIRANMAYI

Academic Year:2022-2023

Reason: LESS SCORE IN FIRST INTERNAL

Period: From: 3:00 PM To: 4:00 PM

Total Duration: 1 HOUR

Students Details:

SI No.	Roll No	Name of the Student
1	08622 3710	K.Sai krishna
2	08622 3969	Vishnu vardhan

Date: 14/11/2022

Faculty Name: B. KIRANMAYI

Academic Year: 2022 - 2023

Reason: LESS SCORE IN SECOND INTERNAL

Period: From: 3:00 PM To: 4:00 PM

Total Duration: 1 HOUR

Students Details:

SI No.	Roll No	Name of the Student
1	08622 3959	Shiva krishna
2	08622 3710	K.Sai krishna
3	08622 3969	Vishnu vardhan

RECORD OF STUDENT SEMINARS

ROLL. NO	NAME OF THE STUDENT	TOPIC
08622 3710	K.Sairam	Central Dogma of life
08622 3015	D.Ranjith ofir	r DNA technology steps

VAAGDEVI DEGREE&PG COLLEGE, HANAMKONDA
B. Sc (Biotechnology) –II SEM MOLECULAR BIOLOGY AND r-DNA
TECHNOLOGY
UNIT TEST-I

Answer the following questions

Each question carries 10 marks

2x10 = 20 marks

1. Transcriptional mechanism of eukaryotes
2. Translational mechanism of prokaryotes.

VAAGDEVI DEGREE& PG COLLEGE, HANAMKONDA
B.Sc(Biotechnology) III SEM MOLECULAR BIOLOGY AND r-DNA
TECHNOLOGY

INTERNAL Examination-III

NAME:

HT.NO:

COURSE:

Max Marks: 20 Marks

Time: 90 mins

I. Multiple Choice Questions

5X1=5 Marks

- 1) How many RNA polymerases are present in bacterial system ()
A) 4 B) 2 C) 1 D) 3
- 2) Shine-Dalgarno sequence is also known as ()
A) open reading frame (B) ribosome binding site C) stop codon D) start codon
- 3) Protein factors responsible for termination of eukaryotic translation are ()
(A) TF II-A (B) TF II-D (C) eRF (D) EF-1a
- 4) Breakdown of lactose by β -galactosidase results ()
A) Glucose B) Galactose C) Tryptophan D) Both A&B
- 5) The substance that allows initiation of transcription is ()
A) Inducer B) Repressor C) Effector D) Co-repressor

II. Fill in the Blanks

5X1=5 Marks

1. The m-RNA codon for valine is.....
2. Ubiquitin binds to amino acid residue for degradation.
3. The enzyme responsible for synthesis of m-RNA in eukaryotic cells is.....
4. Addition of poly-A tail to transcript by template dependent RNA polymerase is
5. is precursor of m RNA.

III. Match the following

5X1=5 Marks

- | | |
|----------------------------|-----------------------------------|
| 1. Eukaryotic translation | () a) Shine-Dalgarno sequence |
| 2. Prokaryotic translation | () b) sn RNA + protein complexes |
| 3. Lac-Z | () c) Kozac sequences |
| 4. Lac-Y | () d) Permease |
| 5. Spliceosome | () e) β -galactosidase |

IV Assignment

5 marks

VAAGDEVI DEGREE & PG COLLEGE, HANAMKONDA
B. Sc (Biotechnology) –III SEM MOLECULAR BIOLOGY AND r-DNA
TECHNOLOGY

UNIT TEST-II

Answer the following questions

Each carries 10 marks 2x10 = 20 marks

1. PCR technology?
2. Northern blotting technique?

VAAGDEVI DEGREE&PG COLLEGE, HANAMKONDA
B.Sc (Biotechnology) III SEM MOLECULAR BIOLOGY AND r-DNA
TECHNOLOGY

II- INTERNAL

NAME:

HT.NO:

COURSE:

Max Marks: 20 Marks

Time: 90 mins

I Multiple Choice Questions

5X1=5 Marks

1. Homo polymer tailing is carried out by ()
A) Methylases B) Kinases C) Ligases D) Transferases.
2. 5-bromo,4-chloro,3-indolyl β -D-galactosidase is ()
A) X-gal substrate B) Ampicillin C) β -D-galactosidase D) None
3. OC-region of Ti-plasmid stands for ()
A) Transfer region B) Virulence region C) OS-region D) OC-region
4. Cosmid vectors are constructed by ()
A) Kohn & Collins B) Kary Mullis C) E.M.Southern D) None
5. Taq DNA polymerase is isolated from ()
A) thermophobic bacteria B) thermophilic bacteria C) both A&B D) none

II. Fill in the Blanks

5X1=5 Marks

6. YAC stands for -----.
7. The mechanism how an enzyme cuts the dsDNA is called -----.
8. The enzyme used to join DNA fragments is called-----.
9. Mini satellite DNAs are used in -----.
10. Ligation enzymes isolated from T4-Bacteriophages are -----.

III. Match the following

5X1=5 Marks

1. PCR () a) adds methyl groups
2. Southern blot () b) Kary Mullis
3. Methylases () c) E.J.Southern
4. Plasmid () d) Proteins
5. Western blot () e) Self replicatory molecules

IV. Assignment

5 Marks

VAAGDEVI DEGREE&PG COLLEGE, HANAMKONDA
B.Sc-BIOTECHNOLOGY-III SEM
Pre Final Examinations
(MOLECULAR BIOLOGY AND r-DNA TECHNOLOGY)

[Max Marks: 80

Time: 3Hours]

Section A

(Marks: 4x8=32)

(Short Answer Questions)

Answer any 8 questions:

1. E.coli RNA polymerase.
2. Transcription termination in prokaryotes.
3. Wobble hypothesis.
4. Properties of Genetic Code.
5. Western blotting technique.
6. pBR322.
7. Blue- white selection.
8. DNA finger printing.
9. Trp attenuation.
10. cosmids
11. expression vectors.
12. Types of RNA

Section B

(Marks:4x12=48)

(Essay Type Answer Questions)

Answer All Questions

13. a) Lac operon or b) trp operon.
14. a) c-DNA library construction or b) enzymes used in gene cloning
15. a) Blotting techniques or b) colony hybridization
16. a) Applications of r-DNA technology in medicine or b) translation in eukaryotes.

Teaching Notes

Unit no	Topics	Synopsis	Hours allotted	Hours taught	Extra hours	Reason
UNIT -I	Molecular biology	Transcription and translation: Mechanisms of transcription and translation in prokaryotes and eukaryotes, enzymatic synthesis of RNA, post transcriptional and translational modifications.	21	21	-	-
UNIT -II	Molecular biology	Regulation mechanisms: Transcriptional and translational level regulations. Inhibitors of protein synthesis- antibiotics.	22	22	-	-
UNIT -III	r-DNA technology	r-DNA Technology: enzymes used in gene cloning, vectors(expression and cloning vectors), plasmids, genomic libraries and cDNA libraries	22	22	-	-
Unit IV	r-DNA technology	PCR technology, DNA finger printing, blotting techniques(southern, western, northern), sanger sequencing, applications of r-DNA technology in medicine.	23	23	-	-

Teaching Notes

VAAGDEVI DEGREE &PG COLLEGE
DEPARTMENT OF BIOTECHNOLOGY
COURSE FILE: SEM-II BIOCHEMISTRY AND MICROBIOLOGY 2022-2023

Name of the faculty	M.SUPRIYA
Designation	Lecturer
Email	Supriya.malipeddi982gmail.com
Course code	DSE-2 Elective-a
Course Title	Biological chemistry and Microbiology
ACADEMIC YEAR / SEMESTER	2022-23 / II-Sem
NUMBER OF INSTRUCTIONAL HOURS	4 days per week

1. INTRODUCTION TO THE COURSE:

Biological chemistry:

The study of cellular processes and life at the molecular level. Biological chemistry is the area of Biotechnology concerned with the organic chemistry of atoms and molecules and their biological roles. Biochemistry become so successful at explaining living processes where almost all areas of lifesciences are related to this field. It deals with the structures, functions, and interactions of biological macromolecules such as carbohydrates, lipids, proteins and nucleic acids.

Microbiology:

It is the discipline of Biotechnology which deals with study of microorganisms. It includes basics of microbiology and also interactions of microorganisms with biotic and abiotic compounds.

Vision

To be a center of excellence in value based holistic quality education carving research, innovation and entrepreneurial attitude that transforms students into globally competent society sensitized graduates.

Mission

- To create a student centric institute support with innovative student pedagogy
- To maximize the utilization of the state-of-the-art infrastructure for the overall development of individuals.

- To encourage independent thinking and application-oriented collaborative research in the areas of contemporary interest to contribute to the development of the region and the nation.
- To provide effective teaching & learning environment for training graduates with values, entrepreneurial attitude and globally employable skills.
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PROGRAM OUTCOMES

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2. PO2.Effective Communication: Speak, read, write and listen clearly in person and through electronic media in English and in one Indian language, and make meaning of the world by connecting people, ideas, books, media and technology.
3. PO3. Social Interaction: Elicit views of others, mediate disagreements and help reach conclusions in group settings.
4. PO4. Effective Citizenship: Demonstrate empathetic social concern and equity centred national development, and the ability to act with an informed awareness of issues and participate in civic life through volunteering
5. PO5. Ethics: Recognize different value systems including your own, understand the moral dimensions of your decisions, and accept responsibility for them. Manual for Affiliated/Constituent UG & PG Colleges NAAC for Quality and Excellence in Higher Education 175
6. PO6. Environment and Sustainability: Understand the issues of environmental contexts and sustainable development.
7. PO7. Self-directed and Life-long Learning: Acquire the ability to engage in independent and life-long learning in the broadest context socio-technological changes

PROGRAM SPECIFIC OUTCOMES

Program Specific Outcomes – B.Sc (Biotechnology)	<p>Students majoring in Biotechnology will develop a comprehensive understanding and appreciation in:</p> <ul style="list-style-type: none">● Aim to provide a firm foundation in every aspect of Biotechnology.● To explain broad spectrum of modern trends in Biotechnology.● To develop curiosity, creativity and understanding links of Biotechnology to other disciplines.● To develop the ability to applied the theoretical knowledge through experiments in Biotechnology.
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Program objectives and Course out comes mapping

ASSESSMENT LEVELS: 0 – NOT MAPPED; 1 –MAPPED AT WEAK LEVEL; 2 – MAPPED AT MODERATE LEVEL; 3 – MAPPED AT SATISFACTORY LEVEL

COURSE TITLE	COURSE CODE	COURSE OUTCOMES

Biological chemistry and Microbiology		Elective Course DSE-2				<p>CO1: To understand the basic concept of biomolecules</p> <p>CO2: To understand energetics and metabolism of biomolecules.</p> <p>CO3: To understand concepts, of microbiology</p> <p>CO4: To understand the sterilization methods,growth kinetics ,culture methods of micro organisms</p>	
	PO -1	PO -2	PO -3	PO -4	PO -5	PO -6	PO -7
CO -1	2	1	1	1	1	2	2
CO -2	2	1	2	1	1	1	2
3	2	1	1	2	1	2	2
CO -4	2	1	2	2	1	2	2
TOTAL ATTAINMENT	2	1	1.5	1.5	1	1.4	2

$$W_{Pi} = \sum_j (CO_j) / 4 \text{ (i=1 to 10 and j=1 to 4) (} W_{Pi} \text{ is the Weight factor for Programme Outcome PO1)}$$

CLASS TIME-TABLE

Department : Biotechnology

Class: Biotechnology (II SEMESTER) Academic Year: 2022-23

Sl. No.	Day	Time	Subject	Faculty
1	Monday	9:00 AM - 10:00 AM	Biological Chemistry	M. SUPRIYA
2	Monday	10:30 AM - 11:30 AM	Microbiology	M. SUPRIYA
3	Monday	12:00 PM - 1:00 PM	Biological Chemistry	M. SUPRIYA
4	Monday	1:30 PM - 2:30 PM	Microbiology	M. SUPRIYA
5	Monday	3:00 PM - 4:00 PM	Biological Chemistry	M. SUPRIYA
6	Monday	4:30 PM - 5:30 PM	Microbiology	M. SUPRIYA
7	Tuesday	9:00 AM - 10:00 AM	Biological Chemistry	M. SUPRIYA
8	Tuesday	10:30 AM - 11:30 AM	Microbiology	M. SUPRIYA
9	Tuesday	12:00 PM - 1:00 PM	Biological Chemistry	M. SUPRIYA
10	Tuesday	1:30 PM - 2:30 PM	Microbiology	M. SUPRIYA
11	Tuesday	3:00 PM - 4:00 PM	Biological Chemistry	M. SUPRIYA
12	Tuesday	4:30 PM - 5:30 PM	Microbiology	M. SUPRIYA
13	Wednesday	9:00 AM - 10:00 AM	Biological Chemistry	M. SUPRIYA
14	Wednesday	10:30 AM - 11:30 AM	Microbiology	M. SUPRIYA
15	Wednesday	12:00 PM - 1:00 PM	Biological Chemistry	M. SUPRIYA
16	Wednesday	1:30 PM - 2:30 PM	Microbiology	M. SUPRIYA
17	Wednesday	3:00 PM - 4:00 PM	Biological Chemistry	M. SUPRIYA
18	Wednesday	4:30 PM - 5:30 PM	Microbiology	M. SUPRIYA
19	Thursday	9:00 AM - 10:00 AM	Biological Chemistry	M. SUPRIYA
20	Thursday	10:30 AM - 11:30 AM	Microbiology	M. SUPRIYA
21	Thursday	12:00 PM - 1:00 PM	Biological Chemistry	M. SUPRIYA
22	Thursday	1:30 PM - 2:30 PM	Microbiology	M. SUPRIYA
23	Thursday	3:00 PM - 4:00 PM	Biological Chemistry	M. SUPRIYA
24	Thursday	4:30 PM - 5:30 PM	Microbiology	M. SUPRIYA
25	Friday	9:00 AM - 10:00 AM	Biological Chemistry	M. SUPRIYA
26	Friday	10:30 AM - 11:30 AM	Microbiology	M. SUPRIYA
27	Friday	12:00 PM - 1:00 PM	Biological Chemistry	M. SUPRIYA
28	Friday	1:30 PM - 2:30 PM	Microbiology	M. SUPRIYA
29	Friday	3:00 PM - 4:00 PM	Biological Chemistry	M. SUPRIYA
30	Friday	4:30 PM - 5:30 PM	Microbiology	M. SUPRIYA

Subject Code	Subject	Name of the Faculty	Signature
DSE-2 Elective-a	Biological chemistry and Microbiology	M.SUPRIYA	

**SEMESTER-II
CORE COURSE DCS-2
THEORY-II
BIOLOGICAL CHEMISTRY AND MICROBIOLOGY**

Unit 1: Biomolecules

- 1.1. Carbohydrates: importance, classification, structure and functions of monosaccharides (glucose & fructose), disaccharides (sucrose, lactose & maltose) and polysaccharides (starch, glycogen & cellulose)
- 1.2. Amino acids: importance, classification, structure, physical and chemical properties of amino acids, peptide bond formation
- 1.3. Proteins: importance, structure of proteins- primary, secondary, tertiary and quaternary
- 1.4. Lipids: importance, classification: simple lipids (triacylglycerides & waxes), complex lipids (phospholipids & glycolipids), derived lipids (steroids, carotenoids & prostaglandins)
- 1.5. Nucleic acids: structure and chemistry of DNA (Watson and Crick) and RNA (TMV)- structure and forms of DNA (A, B and Z)
- 1.6. Enzymes: importance, classification and nomenclature, Michaelis-Menten Equation, factors influencing the enzyme activities: enzyme inhibition (competitive, non-competitive & mixed), co-enzymes

Unit 2: Bioenergetics

- 2.1 Glycolysis, Tricarboxylic Acid (TCA) Cycle,
- 2.2 Electron Transport, Oxidative Phosphorylation
- 2.3 Glutathione and its significance
- 2.4 Transamination and Oxidative decarboxylation reactions of amino acids
- 2.5 β -Oxidation of Fatty acids
- 2.6 Glyoxalase cycle

Unit 3: Fundamentals of Microbiology

- 3.1 Historical development of microbiology and contributors of microbiology
- 3.2 Microscopy: Bright field microscopy, Dark field microscopy, Phase contrast microscopy, Fluorescent microscopy, Scanning and Transmission electron microscopy
- 3.3 Outline of classification of microorganisms
- 3.4 Structure and general characteristics of bacteria and virus
- 3.5 Diseases causing pathogenic and symptoms (Eg. Malaria, typhoid, Cholera)
- 3.6 Structure and general characteristics of micro-algae and fungi

Unit 4: Culture and identification of microorganisms

- 4.1 Methods of cultivation: physical and chemical methods
- 4.2 Bacterial nutrition: nutritional types of bacteria, essential macro and micro nutrients and growth factors
- 4.3 Bacterial growth: curve-batch and continuous cultures, synchronous cultures, measurement of bacterial growth (measurement of cell number and cell mass)
- 4.4 Factors affecting bacterial growth
- 4.5 Culturing of anaerobic bacteria and viruses
- 4.6 Pure-cultures and its characteristics

PRACTICALS

BNB: BIOCHEMISTRY AND MICROBIOLOGY

1. Preparation of various media, stock solutions
2. Preparation of buffers (acidic, basic, neutral)
3. Qualitative tests of sugars, amino acids and lipids
4. Estimation of total sugars by anthrone method
5. Separation of amino acids by paper chromatography
6. Estimation of proteins by biuret method
7. Sterilization methods
8. Preparation of microbiological media (bacterial, fungi & viruses)
9. Inoculation of bacteria by streak, spread and pour plate methods
10. Isolation of bacteria from soil
11. Simple staining and differential staining (Gram's staining)
12. Microbial growth curve
13. Technique of microscopy (simple and stage)

Spores

1. Outlines
2. Glutathione peroxidase
3. Lock and key model
4. Competitive inhibition
5. K_M & V_M
6. ATP system
7. Autotrophs
8. Lactate dehydrogenase
9. Tyndallization
10. Bacterial growth curve
11. Hot air oven
12. Serial dilution technique

REFERENCE BOOKS

1. Lehninger Principles of Biochemistry By: David L. Nelson and Cox
2. Biochemistry By: Rex Morgan
3. Harper's Biochemistry By: Robert K. Murray
4. Enzymes By: Trevor Palmer
5. Enzyme kinetics and mechanism By: Albert Eschen
6. Principles of Biochemistry By: Donald J. Voet, Judith G. Voet, Charlotte W. Pratt
7. Analytical Biochemistry By: Cooper
8. Principles and techniques of Biochemistry and Molecular Biology Edited By: Keith Wilson and John Walker
9. Experimental Biochemistry: A Student Companion by: Saunders Books et al.
10. Practical Biochemistry By: Plummer
11. Biology of Microorganisms By: Brock, T.D. and Madigan, M.T.
12. Microbiology By: Prescott, L.M., Harley, J.P. Klein, D.A.
13. Microbiology By: Pelum, M.J., Chen, E.A.S., Fong, N.R.
14. Microbiological applications by: Brown

TEACHING PLAN:

Sl No	Unit / Topic	Teaching Planned on Date	No of Periods Planned	Course Outcomes	Teaching aids used	Books Referred
1	Biomolecules	02/03/2023	23	CO1	Chalk and duster	<ul style="list-style-type: none"> • Satyanarayana
2	Bioenergetics	23/03/2023	20	CO2	Chalk and duster Projector	<ul style="list-style-type: none"> • Satyanarayana
3	Fundamentals of microbiology	20/04/2023	22	CO3	Chalk and duster	<ul style="list-style-type: none"> • Prescott • Anantanarayana • Himalaya publications
4	Culture and identification of microorganisms	03/05/2023	23	CO4	Chalk and duster ,online	<ul style="list-style-type: none"> • Michael • J.Pelczar • Himalaya publications.

List of Recommended Text Books

SN O	Name of the Book	Author
1	Harpers Biochemistry	Robert K.Murray
2	Principle of Biochemistry	Donald.J.Voet
3	Analytical Biochemistry	Cooper
4	Microbiology	Prescott Pelczar

List of Reference Text Books

SN O	Name of the Book	Author
1	Biochemistry	Satyanarayana
2	Microbiology	M.J.Pelczar
3	Microbiology	Lansing.Prescott

List of URL's to be Referred

SN O	Name of the URL
01	https://www.jstor.org/stable/j.ctvmd85m7
02	https://www.space.com/36273-theory-special-relativity.html

**METHODOLOGY FOR CONTINUOUS INTERNAL
EVALUATION & EXTERNAL ASSESSMENT:**

SNO	NAME OF THE EXAM	MAX MARKS
01	Unit test	20
02	Internal examinations	20
03	Pre final examinations	80

RECORD OF TUTORIAL CLASSES CONDUCTED

SNO	DATE	NAME OF FACULTY	TUTORIAL TOPIC
1	2/03/2023	M.Supriya	Biochemistry
2	06/3/2023	M.Supriya	Carbohydrates
3	11/03/2023	M.Supriya	Lipids
4	23/03/2023	M.Supriya	Proteins
5	11/04/2023	M.Supriya	Enzymes
6	17/04/2023	M.Supriya	Nucleic acids
7	20/04/2023	M.Supriya	Glycolysis, TCA cycles
8	24/04/2023	M.Supriya	ETC, β -oxidation of fattyacids, Gluconeogenesis
9	29/04/2023	M.Supriya	Introduction to microbiology
10	03/05/2023	M.Supriya	Microscopy and general characters of microorganisms
11	05/05/2023	M.Supriya	Pathogens and symptoms
12	06/05/2023	M.Supriya	Culture and identification of microorganisms

RECORD OF MAKEUP CLASSES CONDUCTED

Date: 29/03/2023
Academic Year: 2022- 2023
Period: From: 3:00 PM To: 4:00 PM

Faculty Name: M.Supriya
Reason: LESS SCORE IN FIRST UNIT TEST
Total Duration: 1 HOUR

Students Details:

Sl No.	Roll No	Name of the Student
1	086233103	K.Raghuveer
2	086233604	G.Rajkumar
3	086233176	G.Anil
4	086233182	K.Ravi teja

Date: 28/04/2023
Academic Year: 2022- 2023
Period: From: 3:00 PM To: 4:00 PM

Faculty Name: M.Supriya
Reason: LESS SCORE IN SECOND INTERNAL
Total Duration: 1 HOUR

Students Details:

Sl No.	Roll No	Name of the Student
1	086233176	G.Anil
2	086233182	K.Ravi teja
3	086233103	K.Raghuveer
4	086233604	G.Rajkumar

RECORD OF STUDENT SEMINARS

ROLL. NO	NAME OF THE STUDENT	TOPIC
086233014	M.Rohitha	Michaelis menten equation
086233184	P.Sijju	Watson crick model of DNA

VAAGDEVI DEGREE&PG COLLEGE, HANAMKONDA
B. Sc (Biotechnology) –II SEM Biological chemistry & Microbiology
UNIT TEST-I

Answer the following questions

Each question carries 10 marks

2x10 = 20 marks

1. Biological importance, classification and structure of amino acids.
2. Gluconeogenesis.

VAAGDEVI DEGREE& PG COLLEGE, HANAMKONDA
B.Sc (Biotechnology) II SEM Biological chemistry & Microbiology

INTERNAL Examination-III

NAME:

HT.NO:

COURSE:

Max Marks: 20 Marks

Time: 90 mins

I. Multiple Choice Questions

5X1=5 Marks

- 1) Which of the following is abundantly found in collagen ()
A) tryptophan B) alanine C) glycine D) serine
- 2) who deduced the double structure of DNA ()
A) Watson and crick (B) F.Sanger C) Mendel D) Anton von leeuwenhoek
- 3) Ribose and deoxy ribose differ in their structure around a carbon ()
- 4) which of the following is an imino acid()
A) serine B) alanine C) glycine D) proline
- 5) Number of polypeptide chains present in collagen ()
A)1 B)2 C)3 D) 4

II. Fill in the Blanks

5X1=5 Marks

1. Glycogen can also be called as
2. When amino group from amino acid is removed, this reaction is called
3. Bond formed between two sugar to form polysaccharides is called
4. The first product of glyoxylate cycle is
5. The enzyme that catalyzes the reversible degradation of 2-phospho glycerate to PEP is

III. Match the following

5X1=5 Marks

- | | | |
|-------------------|-----|----------------------|
| 1. monosaccharide | () | a) starch |
| 2. km | () | b) triacyl glyceride |
| 3. polysaccharide | () | c) oxidoreductase |
| 4. lipid | () | d) glyceraldehyde |
| 5. enzyme | () | e) MM equation |

IV Assignment

5 marks

VAAGDEVI DEGREE & PG COLLEGE, HANAMKONDA

B. Sc (Biotechnology) –II SEM Biological chemistry & Microbiology

UNIT TEST-II

Answer the following questions

Each carries 10 marks 2x10 = 20 marks

1. phase contrast microscopy?
2. general characteristics of viruses?

VAAGDEVI DEGREE&PG COLLEGE, HANAMKONDA

B.Sc (Biotechnology)II SEM Biological chemistry & Microbiology

II- INTERNAL

NAME:

HT.NO:

COURSE:

Max Marks: 20 Marks

Time: 90 mins

I Multiple Choice Questions

5X1=5 Marks

1. which of the following is the diagnosis test of tuberculosis ()
A) widal test B) ziehl-Neelsen test C) Acidfast staining D) B and C.
2. Green light is emitted in ()
A) phase contrast microscopy B) fluorescent microscopy C) electron microscopy D) dark field microscopy
3. Which of the following virus contains dsDNA ()
A) hepatitis A B) hepatitis B C) hepatitis C D) hepatitis D
4. Fungi with no septa are referred to as ()
A) septate fungi B) coenocytic fungi C) both A and B D) none
5. bacteria having bunch of flagella at one end is known as ()
A) amphitrichous B) monotrichous C) peritrichous D) none

II. Fill in the Blanks

5X1=5 Marks

6. ----- sterilization method uses flaming of materials till red hot.
7. Microorganisms using Inorganic compounds as their carbon source are called as ----- .
8. -----microscopy uses source as beam of electrons .
9. Rapid growth of bacteria occurs in ----- phase of bacterial growth.
1. Polymers of amino acids are known as ----- .

III. Match the following

5X1=5 Marks

1. Nostoc () a) bacteria
2. Bacteriophage () b) bacterial growth kinetics
3. E.coli () c) virus
4. log phase () d) streak plate method
5. pure culture method () e) algae

IV. Assignment

5 Marks

VAAGDEVI DEGREE&PG COLLEGE, HANAMKONDA
B.Sc-BIOTECHNOLOGY-III SEM
Pre Final Examinations
(Biological chemistry & Microbiology) PAPER-II

[Max Marks: 80

Time: 3Hours]

Section A

(Marks: 8x4=32)

(Short Answer Questions)

Answer any 5 questions:

1. Ramachandran plot.
2. Structure and chemistry of DNA.
3. Structure and general characters of viruses.
4. Describe Bacterial growth kinetics.
5. Non-competitive Enzyme inhibition.
6. Citric acid cycle .
7. Autoclave.
8. β -oxidation of fatty acids.
9. Polysaccharides.
10. Structures of proteins
11. Phase contrast microscope.
12. Aerobic culturing of microorganisms.

STUDENT PROGRESSION AND MARKS STATEMENT
Semester-II (2022-2023)

Course: BTBC (EM)

SNo	Admin No		Student Name	internal-1	internal-2	best
1	23-3-602	086233051	BOIRA VIKRAM	ab	10	10
2	23-3-604	086233052	BOLLAM SRIVIDHYA	AB	16	16
3	23-3-606	086233053	CHAPA MAHONNATH	18	AB	18
4	23-3-605	086233054	JANNU TEJASWITHA	16	AB	16
5	23-3-608	086233055	KASARLA MANASA	16	AB	16
6	23-3-611	086233056	KESHABOINA SRINITHA	17	17	17
7	23-3-607	086233057	PURELLA SANKETHIKA	16	17	17
8	23-3-609	086233058	THUMMALA MOUNIKA	18	14	18

Course: BTBZ (EM)

SNo	Admin No	HT NO	Student Name	internal 1	internal 2	best
1	23-3-904	086233601	BALABATHULA AISHWARYA	13	13	13
2	23-3-918	086233602	GADDE SRIPRIYA	13	15	15
3	23-3-907	086233603	GAJULA SHIVA	12	AB	12
4	23-3-908	086233604	GUDIKANDULA RAJ KUMAR	11	AB	11
5	23-3-906	086233605	JANNI SRAVYA	12	14	14
6	23-3-909	086233606	MANGA NITHIN	10	AB	10
7	23-3-917	086233607	NALLAGONDA	10	AB	10

			AKSHITHA			
8	23-3-903	086233608	POLU SANDHYA	11	13	13
9	23-3-914	086233609	RAGI SHIVANI	11	AB	11
10	23-3-913	086233610	TEKUMATLA RAKESH	11	14	14
11	23-3-910	086233611	TOLEM INDHU	AB	14	14
12	23-3-915	086233612	VUPPALA MUKTHA CHANDANA	10	15	15
13	23-3-916	086233613	AZMERI	10	15	15

Course: BTMIC (EM)

SNo	Admin No	HT NO	Student Name	internal 1	internal 2	best
	23-3-817	086233001	ADEPU DEEPTHI	17	AB	17
	23-3-808	086233002	AKULA KALYANI	17	13	17
	23-3-810	086233003	ALLABOINA GREESHMIKA	16	13	16
	23-3-814	086233004	ANABHATHULA UMESH	17	AB	17
	23-3-818	086233005	ARUKALA RAHUL	17	17	17
	23-3-811	086233006	BANOTH SWAPNA	16	14	16
	23-3-806	086233007	BOMMATHI LASYAVARDHINI	15	12	15
	23-3-820	086233008	BUKYA SWATHI	16	12	16
	23-3-804	086233009	KARANGULA SUCHITHA	17	15	17
	23-3-805	086233010	KUNAL BHADRA	17	AB	17
	23-3-816	086233011	KUNDARAPU HARINI	16	AB	16
	23-3-803	086233012	MANDA MOKSHAGNA	17	14	17
	23-3-823	086233013	MANDA RAVEENA	17	15	17
	23-3-801	086233014	MANTHENA ROHITHA	18	18	18
	23-3-	086233015	MEDIPELLY SOUMYA	17	AB	17

	813					
	23-3-822	086233016	MEENA RINKU	17	14	17
	23-3-824	086233018	SETTY SATHWIKA	15	14	15
	23-3-812	086233019	SHANIGARAM SAI VAMSHI	16	AB	16
	23-3-807	086233020	THOKALA ASHWINI	16	16	16
	23-3-802	086233021	NERA AISHWARYA	15	AB	15

Course: BTZC (EM)

SNo	Admin No	HALLTICKET_NO	Student Name	internal 1	internal 2	best
1	23-3-703	086233171	ADEPU SWATHI	19	19	19
2	23-3-722	086233172	BOLLE DHANUSRI	19	14	19
3	23-3-701	086233173	CHENNA RAGHU	16	AB	16
4	23-3-715	086233174	CHINTHIREDDY ANIL REDDY	18	15	18
5	23-3-716	086233175	DASARI REVATHI	18	18	18
6	23-3-718	086233176	GOLLA ANIL	19	15	19
7	23-3-721	086233177	GONELA RAHUL	18	14	18
8	23-3-709	086233178	GOPAGANI DILIP	19	16	19
9	23-3-714	086233179	JANGA SAI KRISHNA	18	AB	18
10	23-3-702	086233180	JAVAJI SANKEERTHANA	19	AB	19
11	23-3-710	086233181	KADASU SRAVANI	19	17	19
12	23-3-719	086233182	KAMIDRI RAVITEJA	19	12	19
13	23-3-706	086233183	MAHAMMAD ROSHINI BEGAM	18	17	18
14	23-3-705	086233184	PATHURI SIJJU	19	19	19

15	23-3-713	086233185	SHAKAPURAM SAI RAM	19	15	19
16	23-3-707	086233186	SRIPATHI BHARATH	19	AB	19
17	23-3-720	086233187	THALLA PRABHAS	19	15	19
18	23-3-717	086233188	THALLA RITHVIK	19	13	19
19	23-3-704	086233189	AISHA SULTANA	AB	15	15

Course: BTMIZ (EM)

SNo	Admin No		Student Name	internal 1	internal-2	Best
1	23-3-1001	086233101	AKKEPALLY SREYA	AB	AB	AB
2	23-3-1006	086233102	AKULA DIVYA	16	14	16
3	23-3-1005	086233103	KARRE RAGHUVeer KUMAR	17	12	17
4	23-3-1003	086233104	NUSHRATH SHAHANA	16	14	16
5	23-3-1012	086233105	SHAIK JULEKA	17	13	17
6	23-3-1007	086233106	THATHA AKHIL	18	AB	18
7	23-3-1002	086233107	UPPU PRATIKSHA BHUMAYYA	18	17	18

Teaching Notes

Unit no	Topics	Synopsis	Hours allotted	Hours taught	Extra hours taken	Reason
UNIT -I	Biomolecules	Importance of biomolecules, their structure and classification , functions of biomolecules (carbohydrates, proteins, lipids, nucleic acids)	23	23	-	-
UNIT -II	Bioenergetics	Glycolysis , TCA cycle, gluconeogenesis, β -oxidation of fatty acids, glyoxalate cycle	20	20	-	-
UNIT -III	Fundamentals of microbiology	Historical development and contributors of microbiology, microscopy, classification and general characters of microorganisms	22	22	-	-
Unit IV	Culture and identification of microorganisms	Different methods of sterilization, culturing and identification of microorganisms and also factors affecting their growth.	35	23	-	-

VAAGDEVI DEGREE & PG COLLEGE
DEPARTMENT OF BIOTECHNOLOGY
COURSE FILE- V SEM Plant Biotechnology
2022-2023

Name of the faculty	Ms.K.Hima Bindu M.Supriya
Designation	Lecturer
Email	supriya.malipeddi98@gmail.com
Course code	BTG-V
Course Title	Plant Biotechnology
ACADEMIC YEAR / SEMESTER	2022-23 / V-Sem
NUMBER OF INSTRUCTIONAL HOURS	4 hours/ week

1. INTRODUCTION TO THE COURSE:

Plant Biotechnology is the area of Biotechnology concerned with the plant techniques for the improvement plant breeds. In 1902 Gottlieb Haberlandt developed the concept of invitro cell culture. In 1920 attempts were made to grow plant tissues and organs under laboratory conditions. This field is mainly applied for development of plant varieties with crop improvement.

Vision

To be a center of excellence in value based holistic quality education carving research, innovation and entrepreneurial attitude that transforms students into globally competent society sensitized graduates.

Mission

- To create a student centric institute support with innovative student pedagogy
- To maximize the utilization of the state-of-the-art infrastructure for the overall development of individuals.
- To encourage independent thinking and application-oriented collaborative research in the areas of contemporary interest to contribute to the development of the region and the nation.
- To provide effective teaching& learning environment for training graduates with values, entrepreneurial attitude and globally employable skills.
- To encourage participation in games & sports, co-curricular and extra-curricular activities resulting in overall personality development.

PROGRAM OUTCOMES

- PO1.Critical Thinking: Take informed actions after identifying the assumptions that frame our thinking and actions, checking out the degree to which these assumptions are accurate and valid, and looking at our ideas and decisions (intellectual, organizational, and personal) from different perspectives.
- PO2.Effective Communication: Speak, read, write and listen clearly in person and through electronic media in English and in one Indian language, and make meaning of the world by connecting people, ideas, books, media and technology.
- PO3. Social Interaction: Elicit views of others, mediate disagreements and help reach conclusions in group settings.
- PO4. Effective Citizenship: Demonstrate empathetic social concern and equity centred national development, and the ability to act with an informed awareness of issues and participate in civic life through volunteering
- PO5. Ethics: Recognize different value systems including your own, understand the moral dimensions of your decisions, and accept responsibility for them. Manual for Affiliated/Constituent UG & PG Colleges NAAC for Quality and Excellence in Higher Education 175
- PO6. Environment and Sustainability: Understand the issues of environmental contexts and sustainable development.
- PO7. Self-directed and Life-long Learning: Acquire the ability to engage in independent and life-long learning in the broadest context socio-technological changes

PROGRAM SPECIFIC OUTCOMES

<p>Program Specific Outcomes – B.Sc (Biotechnology)</p>	<p>Students majoring in Biotechnology will develop a comprehensive understanding and appreciation in:</p> <ul style="list-style-type: none">● Aim to provide a firm foundation in every aspect of Biotechnology.● To explain broad spectrum of modern trends in Biotechnology.● To develop curiosity, creativity and understanding links of Biotechnology to other disciplines.● To develop the ability to applied the theoretical knowledge through experiments in Biotechnology.
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Program objectives and Course outcomes mapping

ASSESSMENT LEVELS: 0 – NOT MAPPED; 1 –MAPPED AT WEAK LEVEL; 2 – MAPPED AT MODERATE LEVEL; 3 – MAPPED AT SATISFACTORY LEVEL

COURSE TITLE		COURSE CODE					COURSE OUTCOMES	
Plant Biotechnology		Elective Course DSE-5 Elective-a					CO1: To understand the historical perspectives and basic requirements of plant tissue Culture. CO2: To understand the methods of culturing and growth of the plants in order to meet the demands of commercially valued products. CO3: To understand the concept of development of plant different sources such as anther, somatic cell under invitro conditions. CO4: To acquire knowledge about the techniques such as Gene transfer methods, protoplast fusion and applying them in improvement of the plant breeds.	
	PO -1	PO -2	PO -3	PO -4	PO -5	PO -6	PO -7	
CO -1	2	1	2	2	2	3	2	
CO -2	3	1	2	2	2	3	2	
CO -3	3	1	2	2	2	3	2	
CO -4	3	2	1	1	2	3	2	
TOTAL ATTAINMENT	2.75	1.25	1.75	1.75	2	3	2	

$$W_{Pi} = \sum_j (CO_j) / 4 \quad (i=1 \text{ to } 10 \text{ and } j=1 \text{ to } 4) \quad (W_{Pi} \text{ is the Weight factor for Programme Outcome PO1})$$

CLASS TIME-TABLE

Department : Biotechnology

Class: Biotechnology III-Year (V-SEMESTER)

Academic Year: 2022-2023

[illegible]

KANDLA DEGREE & P.G. COLLEGE							Lecture Hall 200	
SCHEDULE OF STUDENT TEACHING								
Sl. No.	Time To	Time To	Time To	Time To	Time To	Time To	Time To	Time To
1	8:00 To 9:00	9:00 To 10:00	10:00 To 11:00	11:00 To 12:00	12:00 To 1:00	1:00 To 2:00	2:00 To 3:00	3:00 To 4:00
2	Plant Biotechnology	Plant Biotechnology	Plant Biotechnology	Plant Biotechnology	Plant Biotechnology	Plant Biotechnology	Plant Biotechnology	Plant Biotechnology
3	Plant Biotechnology	Plant Biotechnology	Plant Biotechnology	Plant Biotechnology	Plant Biotechnology	Plant Biotechnology	Plant Biotechnology	Plant Biotechnology
4	Plant Biotechnology	Plant Biotechnology	Plant Biotechnology	Plant Biotechnology	Plant Biotechnology	Plant Biotechnology	Plant Biotechnology	Plant Biotechnology
5	Plant Biotechnology	Plant Biotechnology	Plant Biotechnology	Plant Biotechnology	Plant Biotechnology	Plant Biotechnology	Plant Biotechnology	Plant Biotechnology
6	Plant Biotechnology	Plant Biotechnology	Plant Biotechnology	Plant Biotechnology	Plant Biotechnology	Plant Biotechnology	Plant Biotechnology	Plant Biotechnology
7	Plant Biotechnology	Plant Biotechnology	Plant Biotechnology	Plant Biotechnology	Plant Biotechnology	Plant Biotechnology	Plant Biotechnology	Plant Biotechnology
8	Plant Biotechnology	Plant Biotechnology	Plant Biotechnology	Plant Biotechnology	Plant Biotechnology	Plant Biotechnology	Plant Biotechnology	Plant Biotechnology
9	Plant Biotechnology	Plant Biotechnology	Plant Biotechnology	Plant Biotechnology	Plant Biotechnology	Plant Biotechnology	Plant Biotechnology	Plant Biotechnology
10	Plant Biotechnology	Plant Biotechnology	Plant Biotechnology	Plant Biotechnology	Plant Biotechnology	Plant Biotechnology	Plant Biotechnology	Plant Biotechnology
11	Plant Biotechnology	Plant Biotechnology	Plant Biotechnology	Plant Biotechnology	Plant Biotechnology	Plant Biotechnology	Plant Biotechnology	Plant Biotechnology
12	Plant Biotechnology	Plant Biotechnology	Plant Biotechnology	Plant Biotechnology	Plant Biotechnology	Plant Biotechnology	Plant Biotechnology	Plant Biotechnology
13	Plant Biotechnology	Plant Biotechnology	Plant Biotechnology	Plant Biotechnology	Plant Biotechnology	Plant Biotechnology	Plant Biotechnology	Plant Biotechnology
14	Plant Biotechnology	Plant Biotechnology	Plant Biotechnology	Plant Biotechnology	Plant Biotechnology	Plant Biotechnology	Plant Biotechnology	Plant Biotechnology
15	Plant Biotechnology	Plant Biotechnology	Plant Biotechnology	Plant Biotechnology	Plant Biotechnology	Plant Biotechnology	Plant Biotechnology	Plant Biotechnology
16	Plant Biotechnology	Plant Biotechnology	Plant Biotechnology	Plant Biotechnology	Plant Biotechnology	Plant Biotechnology	Plant Biotechnology	Plant Biotechnology
17	Plant Biotechnology	Plant Biotechnology	Plant Biotechnology	Plant Biotechnology	Plant Biotechnology	Plant Biotechnology	Plant Biotechnology	Plant Biotechnology
18	Plant Biotechnology	Plant Biotechnology	Plant Biotechnology	Plant Biotechnology	Plant Biotechnology	Plant Biotechnology	Plant Biotechnology	Plant Biotechnology
19	Plant Biotechnology	Plant Biotechnology	Plant Biotechnology	Plant Biotechnology	Plant Biotechnology	Plant Biotechnology	Plant Biotechnology	Plant Biotechnology
20	Plant Biotechnology	Plant Biotechnology	Plant Biotechnology	Plant Biotechnology	Plant Biotechnology	Plant Biotechnology	Plant Biotechnology	Plant Biotechnology

Subject Code	Subject	Name of the Faculty	Signature
DSE-5 Elective-a	Plant Biotechnology	M.Supriya	

B.Sc. Haryana Semester - V
ELECTIVE PAPER-1A)
PLANT HISTOLOGY

UNIT-I:

- 1.1. Historical perspectives of plant tissue culture and basic requirements for tissue culture laboratory
- 1.2. Culture media for plant tissue culture: MS medium and its variations: formulation of macronutrient, dy and their derivatives-3 types of cultures
- 1.3. Plant growth regulators and differentiation
- 1.4. Method of tissue culture: formulation of medium, explant collection, surface disinfection, inoculation, Culture initiation, subculture and regeneration of plants

UNIT-II:

- 2.1. Suspension cultures: growth and subculture, types and characterization of suspension cultures
- 2.2. Translucence of cells and the effect of culture on the production of secondary metabolites of commercial value
- 2.3. Bioreactors and its use in production of plant cell products
- 2.4. Asexual propagation, Mass propagation of plants – modified plants and integrated plants – method and advantages

UNIT- III:

- 3.1. Genetic engineering: Principles, protocol and applications, artificial and production, applications and limitations and – regulation of greenhouse
- 3.2. Tissue culture and production of secondary metabolites
- 3.3. Microbial reactors – Applications of microbial variation in crop improvement
- 3.4. Conservation of plant tissue and – in agriculture, in plant tissue culture

UNIT- IV:

- 4.1. Protoplast – properties of protoplast, Protoplast – fusion: mechanical and enzymatic method & Catalyzed recombination of protoplasts
- 4.2. Somatic hybridization through protoplast fusion (Mechanical fusion, plasma fusion, electro fusion) and isolation of somatic hybrids and hybrids
- 4.3. Transfection in Agrobacterium mediated, Fusion of ti Plasmid and nuclear envelope of ti DNA transfer
- 4.4. Physical gene transfer methods – Particle Bombardment, Electroporation and Microinjection



Dr. Anil Kumar, Sahasra, Kailash University Haryana



Dr. Anil Kumar, Sahasra, Kailash University Haryana



Dr. Anil Kumar

1

PRACTICAL PAPER VII

1. Identification of various bio media culture (10% w/v)
2. Sterilization methods of a culture (autoclave, dry heat, filter, etc.)
3. Enumeration of cell culture - Any one.
4. Cell suspension culture.
5. Prolonged isolation and culture.
6. Synthetic seed production.

QUESTIONS

1. Callus
2. Semisolid medium
3. Chromogenic
4. Multiplying phase
5. Green house
6. Suspension culture
7. Synthetic media
8. Callus phase
9. Over growth
10. To phase

REFERENCE BOOKS

1. Plant Tissue Culture and its Biotechnological Application, By Dr. Ravi K. Saxena, M.H. Jain.
2. Plant Tissue Culture, By A.M. Williams.
3. Principles of Plant Tissue Culture, By Thomas R. Thomas.
4. In vitro Insect Production in Higher Plants, By S. Maheshwari, N.K. Saxena, R.P. Vaidyan.
5. Plant Tissue Culture: Theory and Practice, By V.S. Maheshwari and S. Saxena.
6. Plant Cell, Tissue and Organ Culture, Applied and Fundamental Aspects, By Y.T.S. Day and A. Redford.

Dr. M. Hemachandran, Professor, Sakshinagar Government College

Signature of the student

Signature of the student

TEACHING PLAN:

Sl No	Unit / Topic	Teaching Planned on Date	No of Periods Planned	Course Outcomes	Teaching aids used	Books Referred
1	<p>Histocial Perspectives of plant tissue culture and basic requirement for tissue culture laboratory and culutre mediums MS and B5, sterlization of media steem dry and filter strelization, explant sterlization</p> <p>Plant growth regulators and differentiation.</p> <p>Methods of tissue culture – formulation of medium, explants collection, surface sterilization inoculation callus induction sub culture and regeneration of plants</p>	<p>18/08/22</p> <p>TO</p> <p>06/09/2022</p>	17	CO1	Chalk, duster, board.	<ul style="list-style-type: none"> ● Introduction to plant Biotechnology – H.S Chawla
2	<p>Suspensions cultures, growth and sub culture types Synchronization of suspension cultures.</p> <p>Immmobilisation of cells, affect elicitors on the production of secondary metabolites of commercial value</p> <p>Meri stem culture and its uses in production of virus free plants.</p> <p>Clonal propagation, Micro propagation of plants medicinal and endanger plants.</p>	<p>07/09/22</p> <p>To</p> <p>26/09/22</p>	18	CO2	Chalk, duster, board.	<ul style="list-style-type: none"> ● Introduction to plant Biotechnology – H.S Chawla.

3	<p>Somatic embryogenesis-principle protocol importance, artificial seed production, applications and limitations.</p> <p>Importance embryorescue</p> <p>Anther culture,production of andro genic haploids.</p> <p>Somaclonal variations – applications in crop improvement</p> <p>Cryopreservation of plant tissues and applications.</p>	<p>5/10/22</p> <p>TO</p> <p>1/11/2022</p>	17	CO3	Chalk, duster, board.	<ul style="list-style-type: none"> Applications of plant Biotechnology BD Singh
4	<p>Protoplast-isolation properties, culturing and regeneration</p> <p>Somatic hybridization through protoplast fusion and selection of somatic hybrids and cybrids.</p> <p>Introduction to Agro bacteria tumi faciens, ti plasmid features molecular mechanism of T DNA transfer.</p> <p>Physical gene transfer methods</p> <p>Partical bombardment, electroporation, micro injection</p>	<p>4/11/22</p> <p>TO</p> <p>21/11/2022</p>	16	CO4	Chalk, duster, board.	<ul style="list-style-type: none"> Applications of plant Biotechnology BD Singh

List of Recommended Text Books

SN O	Name of the Book	Author
1	Plant Biotechnology	W.Barz,E.Reinhard, M.H.Zenk
2	Plant cell tissue and organ culture, applied and fundamental aspects	A.reinHard

List of Reference Text Books

SN O	Name of the Book	Author
1	Plant Biotechnology	BD Singh
2	Applications of Biotechnology	BD Singh
2	Introduction to Plant Biotechnology	H.S Chawla

List of URL's to be Referred

SN O	Name of the URL
01	https://www.routledge.com/Plant-Biotechnology-Volume-1-Principles-Techniques-and-Applications/Prasad-Sahni-Kumar-Siddiqui/p/book/9781774631102
02	https://www.google.com/search?q=Plant+Biotechnology+B.D.+Singh+pdf&sa=X&ved=2ahUKewiYztzPsfv7AhWDsFYBHa-cDYEQ1QJ6BAhyEAE

METHODOLOGY FOR CONTINUOUS INTERNAL EVALUATION & EXTERNAL ASSESSMENT:

SNO	NAME OF THE EXAM	MAX MARKS
01	Unit test	20
02	Internal examinations	20
03	Pre final examinations	80

RECORD OF TUTORIAL CLASSES CONDUCTED

SNO	DATE	NAME OF FACULTY	TUTORIAL TOPIC
1	02/09/2022	K.Hima bindu	Plant Tissue culture principles
2	23/09/2022	K.Hima bindu	PTC Media
3	21/10/2022	K.Hima bindu	Secondary metabolite production
4	20/09/2022	K.Hima bindu	Suspension culture
5	12/09/2022	M.Supriya	Andro genesis.
6	14/09/2022	M.Supriya	Somaclonal variations , cryopreservations
7	15/11/2022	Dr.G.Vikram	Protoplast fusion cybrids and hybrids
8	16/11/2022	Dr.G.Vikram	Gene transfer methods

RECORD OF MAKEUP CLASSES CONDUCTED

Date: 11/09/2022 Faculty Name: M.Supriya

Academic Year: 2022-2023

Reason: LESS SCORE IN FIRST INTERNAL

Period: From: 3:00 PM To: 4:00 PM

Total Duration: 1 HOUR

Students Details:

SI No.	Roll No	Name of the Student
1	086213865	K.Raju
2	086213852	A.Karthik

Date: 16/11/2022

Faculty Name: M.Supriya

Academic Year: 2022 - 2023

Reason: LESS SCORE IN SECOND

INTERNAL

Period: From: 3:00 PM To: 4:00 PM

Total Duration: 1

Students Details:

Sl No.	Roll No	Name of the Student
1	086213865	K.Raju
2	086213852	A.Karthik

RECORD OF STUDENT SEMINARS

ROLL. NO	NAME OF THE STUDENT	TOPIC
086213858	D.Sandeep	androgenesis
086213118	T. Sai sriya	bioethics

VAAGDEVI DEGREE&PG COLLEGE, HANAMKONDA

B. Sc (Biotechnology) -V SEM Plant Biotechnology

UNIT TEST-I

Answer the following questions

Each question carries 10 marks

2x10 = 20 marks

1. Organogenesis.
2. Explain about immobilization of cells and effect of elicitors on production of secondary metabolites.

VAAGDEVI DEGREE& PG COLLEGE, HANAMKONDA
B.Sc (Biotechnology) V- SEM- Plant Biotechnology

INTERNAL Examination-I

NAME:

HT.NO:

COURSE:

Max Marks: 20 Marks

Time: 90 mins

I. Multiple Choice Questions

5X1=5 Marks

- 1))
A) stem B) root C) meristem D) leaves
- 2) Dimethyl sulphoxide is used as ()
A) gelling agent (B) cryoprotectant C) nitrogen source D) Chelating agent
- 3) 24D is a ()
(A) cytokinin (B) Gibberlin (C) auxin (D) All
- 4) Which of the following are Micro nutrients ()
A) Mg ca B) N,K C) P,Mg D)Fe,Zn
- 5) Which of the following is used for media sterilization()
A) Hot air oven B)auto clave C) LAF D) Surface sterilization

II. Fill in the Blanks

5X1=5 Marks

1. The ability of plant cell to develop into complete plant let is called
2. Un differentiated mass of cells is
3. The substance which induces physiological changes in the plant cell to enhance synthesis of products are
4. The sterilization agent in surface sterilization is
5. Multiplication of genetically identical individuals are

III. Match the following

5X1=5

Marks

- | | | |
|-------------------------|--------|-----------------------|
| 1. Hepa filters | () | a) organogenesis |
| 2. Zeatin | () | b) Suspension culture |
| 3. Continous agitation | () | c) Meri stem culture |
| 4. Roots and Shoots | () | d) growth regulators |
| 5. Virus free plants() | e) LAF | |

IV Assignment

5 marks

VAAGDEVI DEGREE & PG COLLEGE, HANAMKONDA

B. Sc (Biotechnology) – V SEM Plant Biotechnology

UNIT TEST-II

Answer the following questions

Each carries 10 marks 2x10 = 20 marks

1. somatic embryogenesis?
2. micropropagation?

VAAGDEVI DEGREE&PG COLLEGE, HANAMKONDA

B.Sc (Biotechnology) V SEM –Plant Biotechnology

II- INTERNAL

NAME:

HT.NO:

COURSE:

Max Marks: 20 Marks

Time: 90 mins

I Multiple Choice Questions

5X1=5 Marks

- 1) The site of DNA where restriction enzyme act are generally ()
A) Tandem repeats B) Palindromic C) CA rich regions D) TATA boxes
- 2) A method used to insert DNA Molecules into the cells by using short electrical impulses is known as ()
A) Biolists B) micro injection C) liposomes D) electro poration
- 3) Technique of DNA finger printing involves ()
A) ELIS A B) Northern blotting C) southern blotting D) PAGE
- 4) Which of the following is used for the production of CDNA ()
A) DNA polymerase B) reverse trans cription C) endonucleases D) ligases
- 5) Natural genetic engineer is ()
A) Pseudomonas putida B) Agro bacterium tame faciens C) E. coli D) Bacillus subtilis

II. Fill in the Blanks

5X1=5 Marks

6. The enzyme used in PCR technology is
8. The gene formed by the joining of DNA segments from two different sources are called as
9. Restriction enzyme are also called as
10. In PBR 322 refers to.....
11. The genes responsible for trans fer through conjugation aregenes

III.

Match the following

5X1=5 Marks

1. Pbr323 () a) Indirect gene transfer
2. Ampr () b) Shuttle vectors
3. Kinases () c) Plasmid
4. T – DNA () d) Resistance gene
5. PUC () e) Addition of phosphate group

IV. Assignment

5 Marks

VAAGDEVI DEGREE&PG COLLEGE, HANAMKONDA
B.Sc-BIOTECHNOLOGY-V SEM
Pre Final Examinations
(Plant Biotechnology) PAPER-V

[Max Marks: 80

Time: 3Hours]

Section A

(Marks: 4x10=40)

(Short Answer Questions)

Answer any four questions:

1. MS media.
2. Plant growth regulators.
3. Suspension Cultures.
4. Meristem cultures.
5. Cryopreservation.
6. Artificial seed production and its application.
7. cybrids.
8. Protoplast isolation by enzymatic methods.

Section B

(Marks:4x12=48)

(Essay Type Answer Questions)

Answer All Questions

9. Methods of tissue culture and principles involved in plant tissue culture.
10. Micro propagation of plants methods and applications.
11. Synthetic seed preparation and its applications.
12. Agrobacterium mediated gene transfer methods.

Teaching Notes

Unit no	Topics	Synopsis	Hours allotted	Hours taught	Extra hours taken	Reason
UNIT -I	Histrocial Perspectives of plant tissue culture and basic requirement for tissue culture laboratory priciples and culutre mediums	Related Scientist Tools , Culture room, laboratory requirements.	17	17	-	-
UNIT -II	Large scale production of commercially important compounds.	Different Culture methods used for production of secondary metabolites and its advantages.	18	18	—	—
UNIT -III	Application of Different methods in crop improvements.	Different methods used in production of require plant from different sources.	17	17	—	—

Unit IV	Gene transfer methods	Mechanism of T-DNA transfer, Ti plasmid, physical gene transfer methods	16	16	-	-
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VAAGDEVI DEGREE & PG COLLEGE

DIST: HANUMAKONDA, TELANGANA STATE - 506001

(Affiliated to Kakatiya University, Warangal)

(e-mail: contact@vaagdevicolleges.com)

website: www.vaagdevicolleges.com)

Criterion: I

Teaching Plans

Botany

DEPARTMENT OF BOTANY
COURSE FILE-III SEM
PLANT ANATOMY and EMBRYOLOGY
2022-2023

Name of the faculty	Dr SATEESH SUTHARI
Designation	Assistant Professor
Email	Suthari.botany@gmail.com
Course code	DSC-1C
Course Title	BOTANY
ACADEMIC YEAR / SEMESTER	2022-23/III-SEMESTER
NUMBER OF INSTRUCTIONAL HOURS	87

1. INTRODUCTION OF THE COURSE:

Plant Anatomy and Embryology is one of the branches of Botany that deals with the internal structure and organization of plant organs such as root, stem and leaves. It deals with cells, tissues and their developments and Cell Biology is an integral part of anatomy. Italian Doctor and Microscopist, Marcello Malpighi was one of the founders and laid the foundation stone to the discipline, plant anatomy and Nehemiah Grew published his work on under the title of “The Anatomy of Plants”. The plant embryology is another branch of botany, where it deals with plant embryonic development also plant embryogenesis is a process that occurs after the fertilization of an ovule to produce a fully developed plant embryo. Panchanan Maheshwari was an eminent botanist specializing in plant embryology, morphology and anatomy.

VISION

Our Vision is to amplify the institution's eminence at Global level through teaching and research by producing well-trained students with a focus on plants and their environments.

MISSION

- To attract and support the student community and faculty to sustain our Vision.
- To maximize the utilization of the state-of-the-art infrastructure for the overall development of individuals.
- To encourage independent thinking and application-oriented collaborative research in the areas of contemporary interest to contribute to the development of the region and the nation.
- To provide quality education in the field of plant sciences.
- To ensure to achieve up-to-date level of understanding the recent trends in plant sciences.
- To develop the ability to apply the process of science in day-to-day life.
- To develop attitude to conserve nature and natural resources.

PROGRAM OUTCOMES

Core Competency: Students will acquire core competency in the field of Botany, and in allied subject areas.

The student will be able to identify major groups of plants and compare the characteristics of lower (e.g. algae and fungi) and higher (angiosperms and gymnosperms) plants.

Students will be able to use the evidence based comparative botany approach to explain the evolution of organism and understand the genetic diversity on the earth.

The students will be able to explain various plant processes and functions, metabolism, concepts of gene, genome and how organism's function is influenced at the cell, tissue and organ level.

Students will be able to understand adaptation, development and behavior of different forms of life.

They will be able to relate the physical features of the environment to the structure of populations, communities, and ecosystems. The understanding of networked life on earth and tracing the energy pyramids through nutrient flow is expected from the students.

Students will be able to demonstrate the experimental techniques and methods in Botany.

Analytical ability:

The students will be able to demonstrate the knowledge in understanding research and addressing practical problems.

Application of various scientific methods to address different questions by formulating the hypothesis, data collection and critically analyze the data to decipher the degree to which their scientific work supports their hypothesis.

Critical Thinking and problem solving ability: An increased understanding of fundamental concepts and their applications of scientific principles is expected at the end of this course. Students will become critical thinker and acquire problem solving capabilities.

Digitally equipped: Students will acquire digital skills and integrate the fundamental concepts with modern tools.

Students will be able to access the primary literature, identify relevant works for a particular topic, and evaluate the scientific content of these works.

Ethical and Psychological strengthening: Students will also strengthen their ethical and moral values and shall be able to deal with psychological weaknesses.

Team Player: Students will learn team workmanship in order to serve efficiently institutions, industry and society.

Independent Learner: Apart from the subject specific skills, generic skills, especially in botany, the program outcome would lead to gain knowledge and skills for further higher studies, competitive examinations and employment. Learning outcomes based curriculum would ensure equal academic standards across the country.

PROGRAM SPECIFIC OUTCOMES

<p>Program Specific Outcomes – B.Sc. (BOTANY)</p>	<p>The students who join BOTANY, the students will develop a comprehensive understanding and appreciation in:</p> <ul style="list-style-type: none">• To develop an aptitude towards science & nature.• To equip the students with the basic skills in identifying & labeling different plants.• To impart equality education in the field of botany enabling our students to confidently face the job market.• To develop the ability to applied the theoretical knowledge through experiments in botany.• Students will develop the understanding of growth, development & reproduction in plants as well as understand the physiological & metabolic changes happening along with environmental impact.
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Program objectives and Course outcomes mapping

ASSESSMENT LEVELS: 0 – NOT MAPPED; 1 –MAPPED AT WEAK LEVEL; 2 – MAPPED AT MODERATE LEVEL; 3 – MAPPED AT SATISFACTORY LEVEL

COURSE TITLE	COURSE CODE	COURSE OUTCOMES								
BOTANY	DSC-1C BOT	<p>CO1: To understand the theory of Histological organization of root & shoot apices, Tissue & tissue systems, simple, complex & special tissues, Leaf internal structure, stomata & their epidermal outgrowths</p> <p>CO2: To analyse the different techniques of anatomy like sectioning & staining procedures of stem & root anatomy formation, functions & secondary growth of stem, general account on wood structure about the study of local timbers</p> <p>CO3: To understand the History & importance of embryology, Microsporogenesis, development of male gametophyte, ovule structures, Megasporogenesis & development of female gametophyte.</p> <p>CO4: To emphasize the knowledge about the pollen morphology, pollination types, pollen-pistil interaction, double fertilization, seed structures, endosperm & embryo developments & types, polyembryony & apomixes.</p>								
	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO -7	PO -8	PO -9	PO -10
CO -1	2	2.5	2.5	1	0	0	3	0	1	2
CO -2	3	2.5	3	2	1	1.5	3	1	1	2.5
CO -3	3	2	2.5	0	2	1	3	0	0	2.5
CO -4	3	2	3	3	1	3	3	1	2	2
TOTAL ATTAINMENT	2.75	2.25	2.75	1.5	1.0	1.75	3.0	0.50	1.0	2.25

$WPI = \sum_j (CO_j) / 4$ (i=1 to 10 and j=1 to 4) (WPI is the Weight factor for Programme Outcome PO1)

CLASS TIME-TABLE

Department: BOTANY

Class: (III SEMESTER)

Academic Year: 2022-23

DAY / HOURS	1 (9.00AM- 9.50 AM)	2 (9.50AM- 10.40 AM)	3 (10.40 AM- 11.30 AM)	4 (11.30 PM- 12.20 PM)	5 (1.30 PM- 2.20 PM)	6 (2.20 PM- 3.10 PM)	7 (3.10 PM- 4.00 PM)
MON	BOT						
TUE	BOT						
WED			BOT				
THURS				BOT			
FRI	BOTANY LAB					BOT	
SAT	BOTANY LAB					BOT	

Subject Code	Subject	Name of the Faculty	Signature
BS 304	BOTANY	Dr Sateesh Suthari	

B.Sc. (CBCS) BOTANY- II YEAR
Semester-III- Paper III
Plant Anatomy and Embryology

DSC-1C (4 hrs/week)

Theory Syllabus

Credits-4
(60 hours)

UNIT - I:

1. Meristems: Types, histological organization of shoot and root apices and theories. (3h)
2. Tissues and Tissue Systems: Simple, complex and special tissues. (6 h)
3. Leaf: Ontogeny, diversity of internal structure; stomata and epidermal outgrowths. (6 h)
4. General account of adaptations in hydrophytes and xerophytes (3h)

UNIT-II

5. Stem and root anatomy: Vascular cambium - Formation and function. (3h)
6. Anomalous secondary growth of Stem - *Achyranthes*, *Boerhavia*, *Bignonia*, *Dracaena*; Root–
Beta vulgaris (5h)
7. Wood structure: General account. Study of local timbers – Teak (*Tectona grandis*),
Rosewood, (*Dalbergia latifolia*), Red sanders, (*Pterocarpus santalinus*) Nallamaddi
(*Terminalia tomentosa*) and Neem (*Azadirachta indica*). (7h)

UNIT - III

8. Introduction: History and importance of Embryology. (2h)
9. Anther structure, Microsporogenesis and development of male gametophyte. (6h)
10. Ovule structure and types; Megasporogenesis; types and development of female gametophyte. (5h)

UNIT-IV

11. Pollen morphology, Pollination - Types; Pollen - pistil interaction. Double Fertilization. (4h)
12. Seed-structure appendages and dispersal mechanisms (5h)
13. Endosperm - Development and types. Embryo - development and types; Polyembryony and Apomixis - an outline. (5h)

References:

Bhattacharya et. al. 2007. A textbook of Palynology, Central, New Delhi.

Bhojwani, S. S. and S. P. Bhatnagar. 2000. The Embryology of Angiosperms (4th Ed.), Vikas Publishing House, Delhi.

M.R.Saxena- A textbook of Palynology.

Vashista- A textbook of Anatomy.

P.K.K.Nair- A textbook of Palynology.

Esau, K. 1971. Anatomy of Seed Plants. John Wiley and Son, USA.

Johri, B. M. 1984. Embryology of Angiosperms. Springer-Verleg, Berlin.

Kapil, R. P. 1986. Pollination Biology. Inter India Publishers, New Delhi.

Maheswari, P. 1971. An Introduction to Embryology of Angiosperms. McGraw Hill Book Co., London.

Dutta A.C. 2016. Botany for Degree Students. Oxford University Press.

B.SC (CBCS) BOTANY- II YEAR
Semester-III- Paper III
Plant Anatomy and Embryology

Theory Model Question Paper

Time: 3 hr

Max. Marks: 80

Draw well labeled diagrams wherever necessary.

I. Answer any eight questions

8 × 4 = 32 M

- a. Types of Stomata
- b. Parenchyma
- c. Different types of Ovules
- d. Exine stratification
- e. Rose Wood
- f. Polyembryony
- g. Histogen theory
- h. Wood anatomy
- i. Latiferous tissue
- j. Red sander
- k. Apomixis
- l. Acacia pollen grain

II . Essay Questions:

4 × 12 = 48 M

- 1 a .Classify Meristems ? Discuss in detail the various types of meristems.
(OR)
b. Theories associated with root apices.
- 2 a. Primary and secondary structure of *Boerhaavia diffusa* stem.
(OR)
b . Describe in detail the wood structure of *Pterocarpus santalinus*.
- 3 a . Discuss different Embryo sacs studied by you.
(OR)
b. Describe the development of Male Gametophyte.
- 4 a. Describe in detail various steps in Fertilization.
(OR)
b. Discuss in detail the various applications of Palynology.

B.SC (CBCS) BOTANY- II YEAR
Semester-III- Paper III
Plant Anatomy and Embryology

Practical syllabus

(45 hours)

Suggested Laboratory Exercises:

1. Demonstration of double staining technique. (3 h)
2. Tissue organization in root and shoot apices using permanent slides (3 h)
3. Preparation of double stained Permanent slides
Primary structure: Root - *Cicer*, *Canna*; Stem – *Tridax*, *Sorghum* (6 h)
Secondary structure: Root – *Tridax* sp.; Stem – *Pongamia*
Anomalous secondary structure: Examples as given in theory syllabus. (6 h)
4. Stomatal types using epidermal peels. (3 h)
5. Microscopic study of wood in T.S., T.L.S. and R.L.S. (6 h)
6. Structure of anther and microsporogenesis using permanent slides. (3 h)
7. Structure of pollen grains using whole mounts - *Hibiscus*, *Acacia* and Grass). (3 h)
8. Pollen viability test using Evans Blue – *Hibiscus* (3 h)
9. Study of ovule types and developmental stages of embryosac. (3 h)
10. Structure of endosperm (nuclear and cellular); Developmental stages of dicot and monocot embryos using permanent slides. (3 h)
11. Isolation and mounting of embryo (using *Cymopsis* / *Senna* / *Crotalaria*) (3 h)

B.SC (CBCS) BOTANY- II YEAR
Semester-III- Paper III
Plant Anatomy and Embryology

Practical Model Paper

Time: 2 ½ hr

Max. Marks: 25

1. Prepare a double stained permanent mount of transverse section of

given material “ A “ .

9 M

2. Prepare a temporary mount of epidermal peel of the given leaf

material “ B “ and identify the stomatal type .

4 M

3. Conduct the pollen viability test “ C “ (OR) Isolate the embryo from

the given material .

4 M

4. Identify and describe the specimens / slides with well labeled diagrams

(a) Embryology – D (b) Palynology – E (c) Anatomy – F

3 X 2 = 6 M

5. Record

TEACHING PLAN

SI No	Unit / Topic	Teaching Planned on Date	No of Periods Planned	Course Outcomes	Teaching aids used	Books Referred
1	<p>Meristems:</p> <p>Types of Meristems, Histological organization of root & shoot apices & theories, Tissue & tissue systems, simple, complex & special tissues, Leaf ontogeny, internal structure, stomata & their epidermal outgrowths; hydrophytes and xerophytes</p>	13/06/2022 TO 07/07/2022	22	CO1	<p>BLACK BOARD, CHARTS CHALK AND DUSTER</p> <p>ITC TOOLS (PPT)</p>	<p>Second Year Botany – <i>Telugu Academy</i></p> <p>Vashista (textbook of anatomy)</p>
2	<p>Stem & Root anatomy:</p> <p>The different techniques of anatomy like sectioning & staining procedures of stem & root anatomy formation, functions & secondary growth of stem- <i>Achyranthes</i>, <i>Boerhaavia</i>, <i>Bignonia</i>, <i>Dracaena</i>, <i>Root-Beta vulgaris</i>, General account on wood structure about the study of local timbers – Teak (<i>Tectona grandis</i>), Rosewood, (<i>Dalbergia latifolia</i>), Red sanders, (<i>Pterocarpus santalinus</i>), Nallamaddi (<i>Terminalia tomentosa</i>) and Neem (<i>Azadirachta indica</i>)</p>	08/07/2022 TO 05/08/2022	23	CO2	<p>BLACK BOARD, CHALK AND DUSTER, ICT CLASS ROOM</p> <p>ITC TOOLS (PPT)</p>	<p>Second Year Botany – <i>Telugu Academy</i>.</p> <p>Vashista (textbook of anatomy)</p>

3	Embryology: History & importance of embryology, Microsporogenesis & development of male gametophyte, ovule structures & types, Megasporogenesis & development of female gametophyte.	06/08/2022 TO 06/09/2022	22	CO3	BLACK BOARD, CHARTS CHALK AND DUSTER ITC TOOLS (PPT)	second Year Botany- <i>Telugu Academy</i> Bhojwani, S. S. and S. P. Bhatnagar. 2000. The Embryology of Angiosperms (4 th Ed.), Vikas Publishing House, Delhi.
4	Pollen morphology: About the pollen morphology, pollination types, pollen-pistil interaction, double fertilization, seed structures, endosperm & embryo developments & types, polyembryony & apomixes	07/09/2022 TO 15/10/2022	20	CO4	BLACK BOARD, CHALK AND DUSTER ITC TOOLS (PPT)	Second Year Botany – <i>Telugu Academy</i> . Bhattacharya et. al. 2007. A textbook of Palynology, Central, New Delhi.

List of Recommended Text Books

SNO	Name of the Book	Author
1	Vashista- A Textbook of Anatomy	P.C. Vashishta
2	An Introduction to Embryology of Angiosperms. McGraw Hill Book Co., London.	Maheswari, P. 1971
3	Second year Botany	<i>Telugu Academy</i>

List of Reference Text Books

SNO	Name of the Book	Author
1	Plant Anatomy	Dr. B. P. Pandey
2	An introduction to Embryology of angiosperms	Vishram singh
2	A textbook of Palynology	P.K.K. Nair

List of URL's to be Referred

SNO	Name of the URL
01	https://ncert.nic.in/textbook/pdf/kebo106.pdf
02	https://www.amazon.in/Plant-Anatomy-Concept-Based-Approach-Structure-ebook/dp/B07L1K9F1X

METHODOLOGY FOR CONTINUOUS INTERNAL EVALUATION & EXTERNAL ASSESSMENT:

SNO	NAME OF THE EXAM	MAX MARKS
01	Unit test	25
02	Internal examinations	20
03	Pre-final examinations	80

RECORD OF TUTORIAL CLASSES CONDUCTED

SNO	DATE	NAME OF FACULTY	TUTORIAL TOPIC
1	25.06.2022	Dr Sateesh Suthari	TUNICA-CORPUS THEORY
2	06.07.2022	Dr Sateesh Suthari	STOMATAL TYPES
3	20.07.2022	Dr Sateesh Suthari	COMPLEX TISSUES
4	04.08.2022	Dr Sateesh Suthari	ANAMOLOUS SECONDARY GROWTH
5	18.08.2022	Dr Sateesh Suthari	SECONDARY GROWTH OF DRACEANA
6	22.08.2022	Dr Sateesh Suthari	TECTONA GRANDIS &
7	29.08.2022	Dr Sateesh Suthari	PTEROCARPUS SANTALINUS
8	10.09.2022	Dr Sateesh Suthari	MEGASPOROGENESIS
9	16.09.2022	Dr Sateesh Suthari	DEVELOPMENT OF MALE GAMETOPHYTE
10	24.09.2022	Dr Sateesh Suthari	OVULE STRUCTURES
11	30.09.2022	Dr Sateesh Suthari	POLLEN PISTIL INTERACTION
12	14.10.2022	Dr Sateesh Suthari	EMBRYO DEVELOPMENT

RECORD OF MAKEUP CLASSES CONDUCTED

Date: 15/09/2022
Academic Year: 2022 – 2023
Period: From: 3:10 PM To: 4:00 PM

Faculty Name: Dr Sateesh Suthari
Reason: LESS SCORE IN FIRST INTERNAL
Total Duration: 1 HOUR

Students Details:

Sl No.	Roll No	Name of the Student
1	08622-3516	Gangadevi Lokesh
2	08622-3524	Katkuri Tejaswi
3	08622-3532	Md. Althaf
4	08622-3544	Pothuganti Prasanna Kumari

Date: 18/10/2022
Academic Year: 2022-2023
Period: From: 3:00 PM To: 4:00 PM

Faculty Name: Dr Sateesh Suthari
Reason: LESS SCORE IN SECOND INTERNAL
Total Duration: 1

Students Details:

Sl No.	Roll No	Name of the Student
1	08622-3519	Gundekari Mahesh
2	08622-3527	Kunta Bharath Reddy
3	08622-3547	Siribadri Navya Sree
4	08622-3553	Vemula Jyothi

RECORD OF STUDENT SEMINARS

ROLL. NO	NAME OF THE STUDENT	TOPIC
08622-3511	Chiluka Misceena	Parenchyma
08622-3517	Guguloth Mohan	Xylem
08622-3520	Janjarla Sindhuja	Leaf anatomy
08622-3526	Kothapalli Raveena	Anamolous Secondary growth
08622-3531	Marri Archana	Beorhavia stem T.S.
08622-3537	Nadipally Indu	Red Sanders

VAAGDEVI DEGREE & PG COLLEGE, HANAMKONDA

B. Sc (BOTANY) –III SEM

PLANT ANATOMY AND EMBRYOLOGY

UNITEST -I_

Time: 1 hr

Marks: 25 _____

Short Answer Questions

(5x3=15M)

1. Meristematic types
2. Stomatal types
3. Types of tissue systems
4. Apical meristem
5. Vascular cambium

Long answer questions

(2x5=10M)

1. Give a detailed account on simple tissues.
2. Explain about complex tissues.

VAAGDEVI DEGREE & PG COLLEGE, HANAMKONDA

B.Sc. (Botany) – III SEM

PLANT ANATOMY AND EMBRYOLOGY

UNIT TEST-II

Time: 1hr

Marks: 25

Short Answer Questions

(5x3=15M)

1. Anther wall
2. Tapetum
3. Endothecium
4. Double fertilization
5. Polyembryony

Long Answer Questions

(2X5=10M)

1. Give an account of Megasporogenesis?
2. Write about endosperm types?

VAAGDEVI DEGREE & PG COLLEGE, HANAMKONDA

B. Sc (BOTANY) -III SEM

PLANT ANATOMY AND EMBRYOLOGY

INTERNAL-I

Time: 1hr

Marks: 20 _____

Short Answer Questions

(5x2=10M)

1. Korper Kappe theory
2. Companion cells
3. Hydathodes
4. Bulliform cells
5. Types of stomata
6. Rosewood

Long Answer Questions

(2x5=10M)

1. Describe structure, distribution & functions of simple tissue types.
2. Anaomalous secondary growth in *Dracaena*?
3. Write an essay on complex tissue?

VAAGDEVI DEGREE & PG COLLEGE, HANAMKONDA

B. Sc (BOTANY) -III SEM

PLANT ANATOMY AND EMBRYOLOGY

INTERNAL-II

Time: 1hr

Marks: 20 _____

Short Answer Questions

(5x2=10M)

1. Microsporogenesis
2. Pollen tetrads
3. Amoeboid tapetum
4. Endothecium
5. Egg apparatus
6. Ruminant endosperm

Long Answer Questions

(2x5=10M)

1. Write an account of the development of male gametophyte in angiosperms.
2. Describe the development of Bisporic types of embryo sacs.
3. Describe the structure & development of endosperm in angiosperms.

VAAGDEVI DEGREE & PG COLLEGE, HANAMKONDA

B. Sc (BOTANY) -III SEM

PLANT ANATOMY AND EMBRYOLOGY

PRE-FINAL EXAMINATIONS

Time: 3hr

Marks: 80

Section-A (Answer any four questions)

(4x10=40M)

1. Korper-kappe theory
2. Companion cells
3. Types of stomata
4. Rosewood
5. Microsporogenesis
6. Pollen tetrads
7. Egg apparatus
8. Ruminant endosperm

Section-B (Answer any two questions)

(2x20=40M)

1. Write an essay on complex tissues.
2. Anomalous secondary growth in Dracaena
3. Write an account of the development of male gametophyte in angiosperms.
4. Describe the structures & development of endosperm in angiosperms.

STUDENT PROGRESSION AND MARKS STATEMENT

BZC- III SEM

HT.NO	NAME OF THE STUDENT	UNIT TEST-1	INTERNAL EXAM-1	UNIT TEST-2	INTERNAL EXAM-2
08622-3501	ADDAGANTLA YASHWANTH	21	16	20	16
086223502	AVULA VINAY	22	17	23	18
086223503	BALABADRA SHIVANI	21	17	22	17
086223504	BALABADRA VARSHITHA	20	17	21	16
086223505	BANDARU DIVYA	19	16	20	16
086223506	BATTU VAMSHI	24	18	22	17
086223507	BAYYA GOPIKRISHNA	20	16	19	15
086223508	BEDADHA ANUSHA	18	15	20	16
086223509	BHUKYA JAGADISH	24	19	25	20
086223511	CHILUKA MISCEENA	23	17	24	19
086223512	DASARI SHIVANI	22	17	24	19
086223514	DUBASI SAIRAM	21	17	23	18
086223515	GAJULA PAVAN	22	17	23	18
086223516	GANGADEVI LOKESH	21	16	22	17
086223517	GUGULOTH MOHAN	23	18	24	19
086223518	GUGULOTH SRIMANI	20	17	19	16
086223519	GUNDEKARI MAHESH	22	17	23	18
086223520	JANJARLA SINDHUJA	23	18	24	19
086223521	JILLELA NAVYA	22	17	23	18
086223522	KADARI PRASHANTH	21	16	22	17
086223523	KARATLAPALLY NITHYASRI	20	16	20	16
086223524	KATKURI TEJASWI	20	17	24	19
086223525	KOPPULA SAITEJA	22	17	23	18
086223526	KOTHAPALLI RAVEENA	21	16	23	17
086223527	KUNTA BHARATH REDDY	21	17	22	17
086223529	MANTHOJU SATHWIKA	20	18	21	17

086223530	MARAGONI NAVYA	19	16	21	18
086223531	MARRI ARCHANA	20	17	22	17
086223532	MOHAMMAD ALTHAF	23	18	22	19
086223534	MD. ZUNED PASHA	20	17	23	19
086223535	MD. NYSGARAFF	19	18	22	18
086223536	MUTHYALA SRIDHAR	20	17	21	18
086223537	NADIPALLY INDU	22	17	23	16
086223538	NALLA CHANDANA	23	18	22	19
086223539	NASHRA SIMIN	24	19	24	18
086223540	NEHA SAMREEN	21	17	22	18
086223541	PACHUNURI SHARANYA	20	16	21	17
086223542	PEDDAPELLY YESHWANTH	23	18	24	18
086223543	PENDELA AKHIL	22	17	23	16
086223544	PUTHUGANTI PRASANNA KUMARI	21	17	22	18
086223545	POLICHERI KARTHIK	19	16	21	17
086223546	SAPAVATH HEMALATHA	24	17	23	19
086223547	SIRIBADRI NAVYASREE	24	18	22	16
086223548	THEPPA ANITHA	24	18	24	19
086223549	THANGELLA ARCHANA	23	18	24	17
086223550	UPPU KEERTHANA	20	16	21	17
086223551	UPPULA AKSHITHA	21	17	22	17
086223552	VELPULA RAJINIKANTH	20	16	21	16
086223553	VEMULA JYOTHI	20	17	22	18

Teaching Notes

Unit no	Topics	Synopsis	Hours allotted	Hours taught	Extra hours taken	Reason
UNIT-I	Meristems:	Types of Meristems, Histological organization of root & shoot apices & theories, Tissue & tissue systems, simple, complex & special tissues, Leaf ontogeny, internal structure, stomata & their epidermal outgrowths; hydrophytes, xerophytes	11	11		
UNIT-II	Stem & Root anatomy:	The different techniques of anatomy like sectioning & staining procedures of stem & root anatomy formation, functions & secondary growth of stem- <i>Achyranthes</i> , <i>Boerhavia</i> , <i>Bignonia</i> , <i>Dracaena</i> , Root- <i>Beta vulgaris</i> , General account on wood structure about the study of local timbers – Teak (<i>Tectona grandis</i>), Rosewood, (<i>Dalbergia latifolia</i>), Red sanders, (<i>Pterocarpus santalinus</i>), Nallamaddi (<i>Terminalia tomentosa</i>) and Neem (<i>Azadirachta indica</i>).	11	11		
UNIT-III	Embryology:	History & importance of embryology, Microsporogenesis & development of male gametophyte, ovule structures & types, Megasporogenesis & development of female gametophyte. Seed morphology and dispersal	9	9		
Unit IV	Pollen morphology:	About the pollen morphology, pollination types, pollen-pistil interaction, double fertilization, seed structures, endosperm & embryo developments & types, polyembryony & apomixes	11	11		



VAAGDEVI DEGREE & PG COLLEGE

DIST: HANUMAKONDA, TELANGANA STATE-506001

(Affiliated to Kakatiya University, Warangal)

(e-mail: contact@vaagdevicolleges.com)

website: www.vaagdevicolleges.com)



Criterion: I

Teaching Plans

UG COMPUTER

SCIENCE



VAAGDEVI DEGREE & PG COLLEGE
DEPARTMENT OF COMPUTER SCIENCE

COURSE FILE – VI SEM – 2022-2023

Paper –VI (Web Technologies)

Name of the faculty	P. Rama Devi
Designation	Lecturer
Email	ramakolu@gmail.com
Course Code	BS505
Course Title	Web Technologies
Academic Year / Semester	2022-2023 / VI-Sem
Number of Instructional Hours	48

1. INTRODUCTION TO THE COURSE:

The Internet is a collection of computers that communicate using a standard set of protocols. Since there are now millions of computers involved in the Internet, it has grown to be a major means of communication and allows for users to interact with little regard to distance or location. Associated with the Internet is a set of technologies ranging from network protocols to browsers that have been developed to support Internet operations. This Chapter gives a description of the basis of these Internet technologies and how these can be used by corporations to improve their operations.

The structure of the Internet is first described with an overview of network standards and the ISO seven-layer network model. TCP/IP is then described together with the use of routers to route the packets and the use of Internet addressing. This leads to a description of the World Wide Web (WWW) and the use of the Hypertext Transfer Protocol (HTTP). The implementation of Internet technologies is then addressed with a description of the growth in

the size and usage of the Internet and the future use of Internet technologies. Corporate use of Internet technologies is then described with a description of Intranets and Extranets and the phases that corporations tend to pass through in implementing Internet technologies. An example corporation, Deere & Co., is then profiled on their usage of Internet technologies and how these technologies are beginning to reach into every facet of company operations. A brief overview of the financial justification of one of the Deere & Co. applications of Internet technologies is then given.

Vision

We will provide quality services and technological leadership by:

- Effectively managing the growth of integrated on-line academic and administrative information systems
- Providing universal access, training, and support for students, faculty and staff to enable effective use of technology
- Continually improving the performance, security, ease of use, and reliability of campus networks, systems, and services
- Assisting in designing, acquiring, and implementing technology that supports the academic and administrative missions of individual campus departments
- Defining and promoting new opportunities using state of the art and emerging technologies

Mission

The Office of Information Technology will provide quality information technology services, in the most cost-effective manner, to facilitate the College's mission and strategic plan as it applies to teaching and learning. It will provide innovative assistance and leadership in IT matters to all parts of the College in the achievement of their goals and objectives. To accomplish this mission, Information Technology works collaboratively with the campus community to provide technological leadership.

PROGRAM OUTCOMES

- apply knowledge: An ability to apply knowledge of computing and mathematics appropriate to the discipline.
- function effectively: An ability to design, implement, and evaluate a computational system to meet desired needs within realistic constraints.
- understanding of professional: An understanding of professional, ethical, legal, security, and social issues and responsibilities for the computing profession.
- ability to communicate: An ability to communicate and engage effectively with diverse stakeholders.
- ability to use appropriate techniques, skills, and tools: An ability to use appropriate techniques, skills, and tools necessary for computing practice.

- ability to apply mathematical foundations, algorithmic principles: An ability to apply mathematical foundations, algorithmic principles, and computer science theory in the modeling and design of computational systems in a way that demonstrates comprehension of the tradeoffs involved in design choices.
- An ability to apply design and development: An ability to apply design and development principles in the construction of software systems of varying complexity.
- **Inspiring and Collaborative.** Is a leader and a responsible citizen whose strengths come from an ability to draw on and contribute to diverse teams, expertise, and experiences.
- **Innovative.** Drives scientific and societal advancement through technological innovation and entrepreneurship.
- **Engaged.** Is and remains engaged with the University of Colorado, the state of Colorado, and technical and scientific professional communities.

PROGRAM SPECIFIC OUTCOMES

Program Specific Outcomes – BSC(M) VI SEM	<ul style="list-style-type: none"> • Apply the knowledge of mathematics, science and computing in the core information technologies. • Identify, design, and analyze complex computer systems and implement and interpret the results from those systems. • Design, implement and evaluate a computer-based system, or process component, to meet the desired needs within the realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability, and sustainability. • Review literature and indulge in research using research based knowledge and methods to design new experiments, analyze, and interpret data to draw valid conclusions. • Select and apply current techniques, skills, and tools necessary for computing practice and integrate IT-based solutions into the user environment effectively. • Apply contextual knowledge to assess professional, legal, health, social and cultural issues during profession practice. • Analyze the local and global impact of computing on individuals, organizations, and society.
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Program objectives and Course out comes mapping

ASSESSMENT LEVELS: 0 – NOT MAPPED; 1 –MAPPED AT WEAK LEVEL; 2 – MAPPED AT MODERATE LEVEL; 3 – MAPPED AT SATISFACTORY LEVEL

COURSE TITLE	COURSE CODE	COURSE OUTCOMES
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Web Technologies			BS505			<p>CO1: Be able to use the HTML programming language. Resolves written HTML codes. Runs the page he/she has designed using HTML codes. Be able to use the Design Programs. Uses Microsoft Expression Web 4 CSS programme.</p> <p>CO2: Designs site and page via Microsoft Expression Web 4 programme. Uses the program Web Page Maker. Designs site and page via Web Page Maker programme.</p> <p>CO3: Summarize variable naming rules and JavaScript data types. Identify expressions and operators. Summarize flow control.usage Define functions and methods.</p> <p>CO4: Summarizing XML and Ajax.</p>				
	PO - 1	PO -2	PO -3	PO -4	PO -5	PO -6	PO -7	PO -8	PO -9	PO - 10
CO -1	2	2	2	0	0	0	3	2	0	2
CO -2	3	2	3	2	0	1	3	3	1	2
CO -3	2	2	2	0	2	0	3	1	0	2
CO -4	3	2	3	3	1	3	3	1	2	2
TOTAL ATTAINMENT	2.5	2.0	2.5	1.25	0.75	1.0	3.0	1.75	0.75	2.0
$W_{Pi} = \sum_j (CO_j) / 4 \text{ (i=1 to 10 and j=1 to 4) (} W_{Pi} \text{ is the Weight factor for Programme Outcome PO1)}$										

CLASS TIME-TABLE

Department : **Computer Science**

Class: MPCS VI SEM

Academic Year: **2022-2023**

DAY / HOURS	1 (9.00AM - 9.50 AM)	2 (9..50AM - 10.40 AM)	3 (10.40 AM- 11.30 AM)	4 (11.30 AM- 12.20 PM)
MON			Web Technologies	
TUE			Web Technologies	
WED				Web Technologies
THURS				Web Technologies
FRI		Web Technolog ies		
SAT		Web Technolog ies		

Subject Code	Subject	Name of the Faculty	Signature
BS505	Web Technologies	P.Ramadevi	

SYLLABUS:

Core 5: Web Technologies

Unit - I

Introduction To XHTML— Introduction, first HTML, Headings, Linking, Images, special characters and horizontal rules, Lists, Tables, Frames, Forms, internal linking, meta Elements. CASCADING STYLE SHEETS — Introduction, Inline Styles, Embedded Style Sheets, Conflicting Styles, Linking external sheets, position Elements, box model and text flow, media types, building a CSS drop-down menu, user style sheets, CSS3.

Unit — II

Introduction To Java Scripting- introduction, simple program, prompt dialog and alert boxes, memory concepts, operators, decision making, control structures, if... else statement, while, counter- controlled repetitions. switch statement, do... while statement, *break* and *continue* statements.

Functions — program modules in JavaScript, programmer—defined functions, functions definition, scope rules, global frictions, Recursion.

Unit — III

Arrays- introduction, declaring and allocating arrays, references and reference parameters, passing arrays to functions. h'tultidimensional arrays, **EVENTS** — registering event handling, event on load, onmouseover, onmoiiiseout, onfocus, onblur, onsubmit, onreset, event bubbling, more events. **JAVA SCRIPT OBJECTS** — introduction to object technology, Math Object, String Object, Date Object, Boolean and Nunabcr Object, document and window Objects, using cookies.

Unit — IV

XML - Introduction, XML Basics, Structuring Data, XML Namespaces, Document Type Definitions (DTDs), W3C XML Schema Documents, XML Vocabularies, Extensible Style sheet Language and XSL Transformations, Document Object Model (DOM).

Ajax-Enabled Rich I!internet Applications: introduction, history of Ajax, traditional web applications Vs Ajax Applications, RIAs with Ajax, Ajax example using XMLHttpRequest object, XML and DOM, creating frill scale Ajax-enabled application, Dojo Toolkit

TEACHING PLAN

S.No	Unit / Topic	Teaching Planned on Date	No of Periods Planne d	Course Outcome s	Teaching aids used	Books Referred

1	<p>Introduction To XHTML— Introduction, first HTML, Headings, Linking, Images, special characters and horizontal rules, Lists, Tables, Frames, Forms, internal linking, meta Elements. CASCADING STYLE SHEETS — Introduction, Inline Styles, Embedded Style Sheets, Conflicting Styles, Linking external sheets, position Elements, box model and text flow, media types, building a CSS drop-down menu, user style sheets, CSS3.</p>	13/02/2023 TO 01/03/2023	14	CO1	BLACK BOARD, CHALK, CHARTS AND DUSTER	Internet & World Wide Web- H. M. Deitel, P.J. Deitel, A. B. Goldberg- Third Edition
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2	<p>Introduction To Java Scripting- introduction, simple program, prompt dialog and alert boxes, memory concepts, operators, decision making, control structures, if... else statement, while, counter-controlled repetitions. switch statement, do... while statement, <i>break</i> and <i>continue</i> statements.</p> <p>Functions — program modules in JavaScript, programmer—defined functions, functions definition, scope rules, global frictions, Recursion.</p>	02./03/2023 TO 23/03/2023	12	CO2	BLACK BOARD, CHALK AND DUSTER , CHARTS ICT CLASS ROOM	D.R. Brooks, An Introduction to HTML and Javascript for Scientists and Engineers, Springer
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3	Arrays- introduction, declaring and allocating arrays, references and reference parameters, passing arrays to functions. h'tu1tidimensional arrays, EVENTS — registering event handling, event on load, onmouseover, onmoiiiseout, onfocus, onblur, onsubmit, onreset, event bubbling, more events. JAVA SCRIPT OBJECTS — introduction to object technology, Math Object, String Object, Date Object, Boolean and Nunabcr Object, document and window Objects, using cookies.	24/03/2023 TO 19/04/2023	12	CO3	BLACK BOARD, CHALK, OHP AND DUSTER	J. A. Ramalho, Learn Advanced HTML 4.0 with DHTML, BPB Publications, 2007
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4	<p>XML - Introduction, XML Basics, Structuring Data, XML Namespaces, Document Type Definitions (DTDs), W3C XML Schema Documents, XML Vocabularies, Extensible Style sheet Language and XSL Transformations, Document Object Model (DOM).</p> <p>Ajax-Enabled Rich Internet Applications: introduction, history of Ajax, traditional web applications Vs Ajax Applications, RIAs with Ajax, Ajax example using XMLHttpRequest object, XML and DOM, creating full scale Ajax-enabled application, Dojo Toolkit</p>	20/04/2023 TO 03/05/2023	10	CO4	BLACK BOARD, CHALK, OHP AND DUSTER	Internet & World Wide Web- H. M. Deitel, P.J. Deitel, A. B. Goldberg- Third Edition
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List of Recommended Text Books

S.No.	Name of the Book	Author
1	Internet & World Wide Web	H. M. Deitel, P.J. Deitel, A. B. Goldberg

List of Reference Text Books

S.No.	Name of the Book	Author
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1	An Introduction to HTML and Javascript for Scientists and Engineers	D.R. Brooks
2	HTML A Beginner's Guide	Tata McGraw-Hill Education
3	Learn Advanced HTML 4.0 with DHTML	J. A. Ramalho

List of URL's to be Referred

S.NO.	Name of the URL
01	https://www.nku.edu/~foxr/CIT130/notes.html
02	https://ocw.mit.edu/courses/15-561-information-technology-essentials-spring-2005/pages/lecture-notes/

METHODOLOGY FOR CONTINUOUS INTERNAL EVALUATION & EXTERNAL ASSESSMENT:

S. No.	NAME OF THE EXAM	MAX MARKS
01	Unit test	10
02	Internal examinations	20

RECORD OF TUTORIAL CLASSES CONDUCTED

S.No.	DATE	NAME OF FACULTY	TUTORIAL TOPIC
1	21/02/2023	P. RAMADEVI	Hyperlinks, Images, Lists
2	25/02/2023	P. RAMADEVI	Tables, Frames,
3	01/03/2023	P. RAMADEVI	Forms
4	08/03/2023	P. RAMADEVI	Types of CSS, Backgrounds, Box Model

5	24/03/2023	P. RAMADEVI	User Input with promptDialogs,
6	29/03/2023	P. RAMADEVI	Operators
7	12/04/2023	P. RAMADEVI	Control Structures
8	20/04/2023	P. RAMADEVI	Functions in JavaScript
9	28/04/2023	P. RAMADEVI	Recursion
10	02/05/2023	P. RAMADEVI	Arrays

VAAGDEVI DEGREE&PG COLLEGE,
HANAMKONDA
BSC(M) – VI SEM
 Web Technologies
UNIT TEST- I

Answer the following questions

Each question carries 5 marks

$2 \times 5 = 10$

1. Write about structure of HTML?
2. What is CSS? Explain its types?

VAAGDEVI DEGREE & P.G. COLLEGE
Kishanpura, Hanamkonda
 Web Technologies
Internal Assessment-I
BSC(M)-VI SEM

All questions carry equal marks

Marks: 20

I. Multiple choice questions

Marks: 5x1=05

1. The tag used to add images to the HTML document is _____

[]

- (A)
- (B) <HR>
- (C) <HI>
- (D)

2 which of the following tag is used to mark a begining of paragraph ?[]

- A.<TD>
- B.

- C.<P>
- D.<TR>

3. The attribute of <form> tag

- A.Method
- B.Action
- C.Both (a)&(b)
- D.None of these

4 Which of the following element is responsible for making the text bold in HTML?

- a. <pre>
- b. <a>
- c.
- d.

5. To get the ordered list we use ()

- a) <h1>

- b)
- c)
- d) <ml>

II. Fill in the blanks

5 x 1 = 05

1. ____ is used to store the data within the documents on the server.
2. _____ tag is used before beginning of the paragraph text
3. html document have a extension _____
4. In HTML _____ tag contains the information about the current document such as title etc.
5. _____ is widely known as the father of the world wide web

III. Match the following

Marks:5x1=05

1. Which character is used to represent the closing of a tag in HTML? [] a.
2. Which of the following element is responsible for making the text italic in HTML? [] b. <u>
3. Which of the following tag is used to make the underlined text? [] c. <i>
4. An HTML program is saved by using -----extension [] d. /
5. How to create an unordered list in HTML [] e. .html

IV.ASSIGNMENT

05 MARKS

VAAGDEVI DEGREE & P.G. COLLEGE
Kishanpura, Hanamkonda
 Web Technologies
BSC(M)-VI SEM
UNIT TEST-II

Answer the following questions

Each question carries 5 marks

2x5 = 10

1. Explain structure of HTML?

2. What is Event? Write various Events in JavaScript.

VAAGDEVI DEGREE & P.G. COLLEGE
Kishanpura, Hanamkonda
Web Technologies
Internal Assessment-II
BSC(M)-VI SEM

Total marks: 20

1. How to create a checkbox in HTML?

- a. <input type = "checkbox">
- b. <input type = "button">
- c. <checkbox>
- d. <input type = "check">

2. Which of the following is used to transmit information on the world wide web? ()
- (a) HPPT (b) HTTP (c) HTTPP (d) HTTP

3. Which of the following tag is used to define options in a drop-down selection list?

- a. <select> []
- b. <list>
- c. <dropdown>
- d. <option>

4. Which of the following statements is false about event handlers in JavaScript? ()

- (a) They can be included with input tags
- (b) They can be associated with end of file processing for a database application
- (c) They can be included with the form tag
- (d) They are generally used to call functions when triggered

5. www is based on which model? ()

- (a) Local-server (b) Client-server (c) 3-tier (d) None of these

II. Fill in the blanks

5 x 1 = 05

- 1. The entire content for the web pages is enclosed within _____ tags.
- 2. _____ invented WWW in 1989.

3. _____ tag is used to play background sound but not supported in Netscape Navigator.
4. _____ is a default value for method attribute of tag
5. Style tag is used inside the _____ container tag in Internal CSS.

III. Match the following

Marks:5x1=05

- | | | |
|---------|---------|----------------------------------|
| 1. HTML | () | a. World Wide Web |
| 2. XML | () | b. Java Server Pages |
| 3. WWW | () | c. Hyper Text Transport Protocol |
| 4. JSP | () | d. Hyper Text Markup Language |
| 5. HTTP | () | e. Extensible Markup Language |

IV. ASSIGNMENT

05 marks

Teaching Notes

Unit No	Topics	Synopsis	Hours allotted	Hours taught	Extra hours taken	Reason

UNIT-I	HTML & CSS	<p>Introduction To XHTML— Introduction, first HTML, Headings, Linking, Images, special characters and horizontal rules, Lists, Tables, Frames, Forms, internal linking, meta Elements. CASCADING STYLE SHEETS — Introduction, Inline Styles, Embedded Style Sheets, Conflicting Styles, Linking external sheets, position Elements, box model and text flow, media types, building a CSS drop-down menu, user style sheets, CSS3.</p>	14	14		
UNIT-II	JAVASCRIPT Introduction & Functions	<p>Introduction To Java Scripting- introduction, simple program, prompt dialog and alert boxes, memory concepts, operators, decision making, control structures, if... else statement, while, counter- controlled repetitions. switch statement, do... while statement, <i>break</i> and <i>continue</i> statements.</p> <p>Functions — program modules in JavaScript, programmer—defined functions, functions definition, scope rules, global frictions, Recursion.</p>	12	12		
UNIT-III	JAVASCRIPT Arrays, Objects & Event Handling	<p>Arrays- introduction, declaring and allocating arrays, references and reference parameters, passing arrays to functions. h'tu1tidimensional arrays, EVENTS — registering event handling, event on load, onmouseover, onmoiiiseout, onfocus, onblur, onsubmit, onreset, event bubbling, more events. JAVA SCRIPT OBJECTS — introduction to object technology, Math Object, String Object, Date Object, Boolean and Nunabr Object, document and window Objects, using cookies.</p>	12	12		

UNIT- IV	XML, Ajax	<p>XML - Introduction, XML Basics, Structuring Data, XML Namespaces, Document Type Definitions (DTDs), W3C XML Schema Documents, XML Vocabularies, Extensible Style sheet Language and XSL Transformations, Document Object Model (DOM).</p> <p>Ajax-Enabled Rich Internet Applications: introduction, history of Ajax, traditional web applications Vs Ajax Applications, RIAs with Ajax, Ajax example using XMLHttpRequest object, XML and DOM, creating full scale Ajax-enabled application, Dojo Toolkit</p>	10	10		
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VAAGDEVI DEGREE & PG COLLEGE
DEPARTMENT OF COMPUTER SCIENCE

BSC(
DataScience) II
YEAR – I SEM
2022-2023

Paper - III (DSC - C) (Data Engineering with Python)

Name of the faculty	B.Anitha
Designation	ASSISTANT PROFESSOR
Email	anitharajumay16@gmail.com
Course Code	DSC – C
Course Title	Data Engineering with Python
Academic Year / Semester	2022-23 / III-Sem
Number of Instructional Hours	44

INTRODUCTION TO THE COURSE:

Data Engineering provides the foundation for the data science and analytics and constitutes an important aspect of all business. We can explore various tools used for data engineering process using python. This paper introduces various aspects of the data engineering along with technologies and frameworks to build data pipelines to work with large datasets. We come to know how to transform and clean the data and perform data analytics to obtain useful information.

Data engineering is a part of big data ecosystem and closely linked to data science. Data engineer's work in the background but not gains much attention as Data scientists but critical to the process of data science the role and responsibility of data engineer varies from organization to organization and data maturity and staffing level. However ETL tools are used to by Data Engineer to do dataengineering.

Vision

Achieve academic excellence and research in the field of data science at the national and global levels.

By this course impart students with diverse back grounds into competitive software professionals with moral values and committed to build a vibrant nation

Mission

1. To impart high quality professional training at the postgraduate and graduate level inculcating a capacity for critical and lateral thinking

2. To develop the youth into professionals who can work in team, possess high analytical abilities, and help in solving complex problems of various domain
3. Empowering the youth in rural communities with computer Technology
4. To encourage entrepreneurial environment and nurture innovative ideas
5. To prepare students to meet the needs of the labor market, develop their skills in research and innovation, and contribute to the development of society and the achievement of national goals.

Program Outcomes:

PO1: To develop admissible programming abilities.

PO2: To exhibit the skill with statistical analysis of data.

PO3: To develop the ability to build data-based models and tools.

PO4: To apply data science concepts and methods to solve problems in real-world contexts.

PO5: To develop skills to manage large data sets in preparation for data science analysis:.

PO6: To obtain working knowledge of traditional statistical techniques and the ability to apply these methods to a wide array of real world problems:.

PO7: To develop ability to perform data science analysis from beginning to end while adhering to the principles of reproducible research

PO8: The ability to program in Python programming languages

PO9: To develop ability to visualize the data obtained from data analysis.

PO10: To be able to formulate machine learning problems corresponding to different applications

PO11: To be able to manage large volumes of data and apply different tools available for store, processing of BigData

PROGRAM SPECIFIC OUTCOMES

<p>Program Specific</p> <p>Outcomes –</p> <p>BSC(DataScience)IIyear</p> <p>Isem</p> <p>DataEngineeringWithPython</p>	<ul style="list-style-type: none"> • Apply quantitative modelling and data analysis techniques to solve the real-world • business problem and present results effectively using data visualization techniques. Apply ethical practices in business activities. • Make well-reasoned ethical business and data management decisions. • Demonstrate Knowledge of statistical data analysis techniques utilized in business decision-making. Apply algorithms to build machine intelligence to solve real-world problems of decision making. ..
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Program objectives and Course out comes mapping

ASSESSMENT LEVELS: 0 – NOT MAPPED; 1 –MAPPED AT WEAK LEVEL; 2 – MAPPED AT MODERATE LEVEL; 3 – MAPPED AT SATISFACTORY LEVEL

COURSE TITLE	COURSE CODE	COURSE OUTCOMES
DATA ENGINEERING WITH PYTHON	DSC- C	<p>C01. Able to Handle different types of files and work with text data</p> <p>CO2. Able to Use regular expression operations. Obtains the knowledge of HTML Parsing, Natural Language Processing.</p> <p>CO3. Use relational databases via SQL</p> <p>Use tabular numeric data,</p> <p>C04. Use the data structures: data series and frames, Use PyPlot for visualization.</p>

	PO -1	PO -2	PO -3	PO -4	PO -5	PO -6	PO -7	PO -8	PO -9	PO -10	PO- 11
CO -1	2	1	2	1	3	2	1	2	0	0	0
CO -2	3	2	3	1	2	1	1	2	0	0	0
CO -3	3	2	2	3	3	0	1	3	0	0	2
CO -4	2	3	3	1	3	3	3	3	3	2	2
TOTAL ATTAINMEN T	2.5	2.0	2.5	1.5	2.75	1.50	1.50	2.5	0.75	0.50	1.0

$$W_{Pi} = \sum_j (CO_j) / 4 \text{ (i=1 to 10 and j=1 to 4) (} W_{Pi} \text{ is the Weight factor for Programme Outcome PO1)}$$

CLASS TIME-TABLE

Department : Computer Science

Class: BSC(Data Science)IIYEAR (ISEM) Asec

Academic Year: **2022-23**

DAY / HOURS	1 (9.00 AM- 09.50 AM)	2 (9.50 AM- 10.40 AM)	3 (10.40 AM- 11.30 AM)	4 (11.30 AM- 12.20 AM)	5 (1.10 PM- 1.30 PM)	6 (2.00 PM- 2.50 PM)	7 (2.50 PM- 3.40 PM)
MON						DataScience	
TUE						DataScience	
WED							
THU							
FRI	DataScience						
SAT	DataScience						

Subject Code	Subject	Name of the Faculty	Signature
DSC-C	DataEngineeringWithPython	B.Anitha	

	DataEngineeringWithPython			DSC-C
WORK LOAD: 4 PPW	Credits:4	INTERNAL MARKS: 20	EXTERNAL MARKS: 80	

Unit – I

Data Science: Data Analysis Sequence, Data Acquisition Pipeline, Report Structure [Reference 1(Chapter 1-Unit1 to Unit 3)]]

Files and Working with Text Data: Types of Files, Creating and Reading Text Data, File Methods to Read and Write Data, Reading and Writing Binary Files, The Pickle Module, Reading and Writing CSV Files, Python os and os. Path Modules. [Reference 2, Chapter 9]]

Working with Text Data: JSON and XML in Python[Reference 2, Section12.2]

Unit – II

Working with Text Data: Processing HTML Files, Processing Texts in Natural Languages [Reference 1(Chapter3 –Unit 13, and Unit16)]

Regular Expression Operations: Using Special Characters, Regular Expression Methods, Named Groups in Python Regular Expressions, Regular Expression with glob Module [Reference 2-Chapter 10]

Unit – III

Working with Databases: Setting Up a MySQL Database, Using a MySQL Database: Command Line, Using a MySQL Database, Taming Document Stores: MongoDB [Reference 1(Chapter4-Unit17toUnit20)]

Working with Tabular Numeric Data(Numpy with Python): NumPy Arrays Creation Using array() Function, Array Attributes, NumPy Arrays Creation with Initial Placeholder Content, Integer Indexing, Array Indexing, Boolean Array Indexing, Slicing and Iterating in Arrays, Basic Arithmetic Operations on NumPy Arrays, Mathematical Functions in NumPy, Changing the Shape of an Array, Stacking and Splitting of Arrays, Broadcasting in Arrays. [Reference 2: Section 12.3)]

Unit-IV

Working with Data Series and Frames: Pandas Data Structures, Reshaping Data, Handling Missing Data, Combining Data, Ordering and Describing Data, Transforming Data, Taming Pandas File I/O [Reference 1 (Chapter 6-Unit 31 to Unit 37)]

Plotting: Basic Plotting with PyPlot, Getting to Know Other Plot Types, Mastering Embellishments, Plotting with Pandas [Reference 1(Chapter8-Unit 41 to Unit 44)].

BSC DataScience IIIyear Isem	DataEngineeringWithPython	
WORK LOAD: 3 PPW	Credits : 1	EXTERNAL MARKS: 25

List of Practical Programs for Lab Practice

SNO	Experiment
1	Python program showing use of json package.
2	Python program showing that json support different primitive types
3	Python program to convert JSON to Python
4	Python Program to update JSON
5	Python program to Deserialize JSON to Object in Python
6	Python Program using loads() to deserialize data
7	Python Program to Serializing JSON data in Python
8	8. Write Python Program to Read and Print Each Byte in the Binary File
9	Reading a CSV using Python's inbuilt module csv.reader object.
10.	writing a CSV using Python's inbuilt module csv.writer object.
11	Iterate through each list and convert the list elements to a string and write to the csv file.
12	Python implementation of substituting a specific text pattern in a string using regex
13	Python program to initialize numpy arrays from nested Python lists, and access elements using square brackets:
14	python program to demonstrate Array indexing using slicing operation
15	python program to draw sine curve using numpy and matplotlib
16	Python program to demonstrate numpy Aggregate Functions
17	Python program to create array minimum function on randomly generated 5 * 5 matrixes
18	write a python program to parse text html documents
19	program to implement class Parser() inherits from the HTMLParser class.
20	Demonstrate SQL CRUD operations
21	Demonstrate MongoDB CRUD operations

TEACHING PLAN

S.No	Unit / Topic	Teaching Planned on Date	No of Periods Planne d	Course Outcome s	Teaching aids used	Books Referre d
1	Data Science: Data Analysis Sequence, Data Acquisition Pipeline, Report Structure Files and Working with Text Data: Types of Files, Creating and Reading Text Data, File Methods to Read and Write Data, Reading and Writing Binary Files, The Pickle Module, Reading and Writing CSV Files, Python os and os. Path Modules. Working with Text Data: JSON and XML in Python	16/08/2022 to 09/09/2022	11	CO1	BLACK BOARD, CHALK, CHARTS AND DUSTER	Data Science Essentials in Python: Collect, Organize, Explore, Predict, Value. Introduction to Python Programm ing.
2	Working with Text Data: Processing HTML Files, Processing Texts in Natural Languages Regular Expression Operations: Using Special Characters, Regular Expression Methods, Named Groups in Python Regular Expressions, Regular Expression with glob Module	10/09/2022 to 23/09/2022	06	CO2	BLACK BOARD, CHALK AND DUSTER , CHARTS ICT CLASS ROOM	Data Science Essentials in Python: Collect, Organize, Explore, Predict, Value. Introduction to Python Programm ing.

3	<p>Working with Databases: Setting Up a MySQL Database, Using a MySQL Database: Command Line, Using a MySQL Database, Taming Document Stores: MongoDB</p> <p>Working with Tabular Numeric Data(Numpy with Python): NumPy Arrays Creation Using array() Function, Array Attributes, NumPy Arrays Creation with Initial Placeholder Content, Integer Indexing, Array Indexing, Boolean Array Indexing, Slicing and Iterating in Arrays, Basic Arithmetic Operations on NumPy Arrays, Mathematical Functions in NumPy, Changing the Shape of an Array, Stacking and Splitting of Arrays, Broadcasting in Arrays.</p>	<p>24/09/2022 to 12/11/2022</p>	15	CO3	<p>BLACK BOARD, CHALK, OHP AND DUSTER</p>	<p>Data Science Essentials in Python: Collect, Organize, Explore, Predict, Value. Introduction to Python Programming.</p>
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4	Working with Data Series and Frames: Pandas Data Structures, Reshaping Data, Handling Missing Data, Combining Data, Ordering and Describing Data, Transforming Data, Taming Pandas File I/O Plotting: Basic Plotting with PyPlot, Getting to Know Other Plot Types, Mastering Embellishments, Plotting with Pandas	14/11/2022 to 03/12/2022	12	CO4	BLACK BOARD, CHALK AND DUSTER ICT CLASS ROOM	Data Science Essentials in Python: Collect, Organize, Explore, Predict, Value. Introduction to Python Programming.
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List of Recommended Text Books

S.No.	Name of the Book	Author
1	Data Science Essentials in Python: Collect, Organize, Explore, Predict, Value.	Dmitry Zinoriev, The Pragmatic Programmers LLC, 2016
2	Introduction to Python Programming.	Gowrishankar S., Veena A. CRC Press, Taylor & Francis Group, 2019

List of Reference Text Books

S.No.	Name of the Book	Author
1	Python for Everybody: Exploring Data Using Python 3.	Charles R Severance, 2016 4., Apress, 2015 5

2	Website Scraping with Python. Using BeautifulSoup and Scrapy.	GáborLászlóHajba, Apress, 2018 6
3	Machine Learning with Python Cookbook:..Practical Solutions from Preprocessing to Deep Learning	. Chris Albon, O'Reilly 2018
4	Python Data Analytics – Data Analysis and Science using Pandas, matplotlib and the Python Programming Language. Fabio Nelli	. Guy Harrison

List of URL's to be Referred

S.NO.	Name of the URL
01	https://www.google.co.in/books/edition/Data_Engineering_with_Python/9RYFEAAAQBAJ?hl=en&gbpv=1&printsec=frontcover
02	https://www.w3schools.com/python/numpy/numpy_creating_arrays.asp
03	https://www.kaggle.com/datasets

METHODOLOGY FOR CONTINUOUS INTERNAL EVALUATION & EXTERNAL ASSESSMENT:

S. No.	NAME OF THE EXAM	MAX MARKS
01	Unit test	10
02	Internal examinations	20
03	Pre final examinations	80

RECORD OF TUTORIAL CLASSES CONDUCTED

S.No.	DATE	NAME OF FACULTY	TUTORIAL TOPIC
1	25/08/22	B.Anitha	Data Engineering

2	01/09/22	B.Anitha	Files concepts
3	01/09/22	B.Anitha	Serialization and Deserialization
4	09/09/22	B.Anitha	RegularExpression
5	13/09/22	B.Anitha	RegularExpression
6	23/09/22	B.Anitha	MySQL databases
7	12/10/22	B.Anitha	MongoDB
8	20/10/22	B.Anitha	Numpy Arrays
9	25/10/22	B.Anitha	DataFrames
10	05/11/22	B.Anitha	DataFrames
11	09/11/22	B.Anitha	Pandas
12	17/11/22	B.Anitha	Pandas

VAAGDEVI DEGREE&PG COLLEGE,
HANAMKONDA
BSC(Data Science) –IIyear Isem
DataEngineeringWithPython
UNIT TEST- I

Answer the following questions

Each question carries 5 marks

2x5 = 10

1. What Data Pipe line and sequencing?
2. What are the different types of files?

VAAGDEVI DEGREE & P.G. COLLEGE
Kishanpura, Hanamkonda
BSC(Data Science) II year I Semester
Internal Assessment-I
(DataEngineeringWithPython)

All questions carry equal marks

Marks: 20

Subject: DataEngineeringWithPython

MaxMarks:15

I. Answer the following questions basing the statement given below

`f1= open("demo.text")`

5*1=5marks

1. Identify the name of the file?
2. Identify the name of the function used?
3. What is f1 in the above code?
4. The above statement will _____ the file
5. In which mode the above file is opened?

II. Choose the Correct Answer

5*1=5marks

6. In a text file each line is terminated by a special character []
a. EOL b. EOF c. both d. none
7. Every text file is terminated by a special character to indicate end of the file []
a. EOL b. EOF c. both d. None
8. Which of the following is not an extension of text file? []
a. .html b. .txt c. .csv d. .jpg
9. Which of the following method is used to remove the file ? []
a. os.system('cls') b. os.getcwd() c. os.remove("filepath") d. os.rmdir("path")
10. Which of the following method is used to move the cursor in a file ? []
a. tell() b. seek() c. close() d. none

III. Match The following

5*1=5 marks

11. a+ mode () a. read only mode for text file.
12. w+ mode () b. write only mode for binary file
13. r mode () c. append and read mode for text file
14. wb mode () d. read only mode for binary file
15. rb mode () e. write and read mode for text file

IV. Assignment

5marks

VAAGDEVI DEGREE&PG COLLEGE
HANAMKONDA
BSC(Data Science) Iyear I Semester
(DataEngineeringWithPython)
UNIT TEST-II

Answer the following questions

Each question carries 5 marks 2x5 = 10

1. What are the different ways to create Numpy arrays?.
2. Explain Stacking and Splitting operations in Numpy arrays.

VAAGDEVI DEGREE & P.G. COLLEGE
Kishanpura, Hanamkonda
BSC(DataScience) Iyear I Semester
Internal Assessment-II
(DataEngineeringWithPython)

I) multiple choice questions

Total marks: 20
5*1=5

1) The most important object defined in NumPy is an N-dimensional array type called? []

- a) ndarray
- b) narray
- c) nd_array
- d) darray

2) What will be output for the following code? []

```
import numpy as np
```

```
a = np.array([1,2,3])
```

```
print a
```

- a) [[1,2,3]]
- b) [1]
- c) [1,2,3]

d) Error

3) What represents a 'tuple' in a relational database?[]

a) Table

b) Row

c) Column

d) Object

4) Which statement is used to access an existing Database?[]

- a) use
- b) use database.name
- c) use databasename;
- d) None of the above

5) What is data in a MySQL database organized into?[]

- a) objects
- b) tables
- c) networks
- d) file systems

II) Fill in the Blanks questions

5*1=5

- 1) _____ is a python library used for working with data sets.
- 2) _____ is used when the index label of the Data Frame is numeric series of 0,1,2,....,n .
- 3) The _____ function in pandas is used to append either columns or rows from one Data Frame to another.
- 4) _____ is a low level graph plotting library in python that serves as a visualization utility.
- 5) _____ command is used to delete the table along with structure.

III) Match the following Questions

5*1=5

- | | |
|---------------------------|----------------------|
| 1) DBMS Software | () a) Create |
| 2) DDL Command | () b) Data Analysis |
| 3) DML Command | () c) MySQL |
| 4) Numpy Used to process | () d) Insert |
| 5) Pandas Used to process | () e) Array |

IV) For assignment

5marks

STUDENT PROGRESSION AND MARKS STATEMENT
Teaching Notes

Unit No	Topics	Synopsis	Hours allotted	Hours taught	Extra hours taken	Reason
UNIT -I	Data Science: Files and Working with Text Data Working with Text Data	Data Science: Data Analysis Sequence, Data Acquisition Pipeline, Report Structure Files and Working with Text Data: Types of Files, Creating and Reading Text Data, File Methods to Read and Write Data, Reading and Writing Binary Files, The Pickle Module, Reading and Writing CSV Files, Python os and os. Path Modules. Working with Text Data: JSON and XML in Python	11	11		

UNIT -II	Working with Text Data Regular Expression Operations	Working with Text Data: Processing HTML Files, Processing Texts in Natural Languages Regular Expression Operations: Using Special Characters, Regular Expression Methods, Named Groups in Python Regular Expressions, Regular Expression with glob Module	06	06		
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UNIT -III	Working with Databases Working with Tabular Numeric Data(Numpy with Python)	Working with Databases: Setting Up a MySQL Database, Using a MySQL Database: Command Line, Using a MySQL Database, Taming Document Stores: MongoDB Working with Tabular Numeric Data(Numpy with Python): NumPy Arrays Creation Using array() Function, Array Attributes, NumPy Arrays Creation with Initial Placeholder Content, Integer Indexing, Array Indexing, Boolean Array Indexing, Slicing and Iterating in Arrays, Basic Arithmetic Operations on NumPy Arrays, Mathematical Functions in NumPy, Changing the Shape of an Array, Stacking and Splitting of Arrays, Broadcasting in Arrays	15	15		
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Unit-IV	Working with Data Series and Frames Plotting	Working with Data Series and Frames: Pandas Data Structures, Reshaping Data, Handling Missing Data, Combining Data, Ordering and Describing Data, Transforming Data, Taming Pandas File I/O Plotting: Basic Plotting with PyPlot, Getting to Know Other Plot Types, Mastering Embellishments, Plotting with Pandas	12	12		
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VAAGDEVI DEGREE & PG COLLEGE



DIST: HANUMAKONDA, TELANGANA STATE-506001

(Affiliated to Kakatiya University, Warangal)

(e-mail: contact@vaagdevicolleges.com)

website: www.vaagdevicolleges.com)

Criterion: I

Teaching Plans

COMMERCE & BUSINESS MANAGEMENT

VAAGHENT DEGREE & PG COLLEGE
DEPARTMENT OF COMMERCE AND BUSINESS MANAGEMENT
COURSE FILE-FE SEM
FINANCIAL MANAGEMENT-2022-2023

Name of the faculty	C. DATTATREYULU
Designation	ASST. PROFESSOR
Email	chinnadattatreya@gmail.com
Course code	BDL
Course Title	FINANCIAL MANAGEMENT
ACADEMIC YEAR / SEMESTER	2022-23
NUMBER OF INSTRUCTIONAL HOURS	30


Head
 Head of Commerce & Business Management
 Vaaghent Degree & PG College
 Bhatluwala, Hanumanthpuram


Professor
 C. Dattatreya
 Vaaghent Degree & PG College
 Bhatluwala, Hanumanthpuram

VAAGDEVI DEGREE & P.G. COLLEGE

KISHANPURA, HANAMKONDA.

DEPARTMENT OF COMMERCE AND BUSINESS MANAGEMENT (CBM)

INTRODUCTION

Finance has been rightly said to be the life blood of any business. In view of the increasing importance finance. Financial Management has been incorporated as a core subject at the undergraduate as well as student graduate level as well as postgraduate level of various University examinations in Commerce and Management. It also finds its rightful place in the syllabi of examinations conducted by various professional dies.

The subject contains Introduction to finance, Financial and Cost Analysis, Financial Planning and Decision, Funds, Management. Long-term investment Decision and Some Selected Problems of Finance.

This subject enhances sufficient care to analyse and present the impact of recent development in the field of financial Management, as a consequence to the liberalisation policy of the Government of India.

Vision

To be a vibrant and innovative centre for Commerce & Management education, to equip the students with knowledge and skills in their chosen stream, inculcate values, identify hidden talents, provide the opportunities for students to realize their full potential and thus shape them into future business leaders, entrepreneurs and to pursue a real holistic development above all good human beings.

Mission

1. Empowering the students with all the knowledge and guidance that they need to become worthy professionals of Commerce & Management stream.
2. Developing the overall personalities of the students in a holistic manner by combining skills and values.
3. Learning through Doing.
4. To inspire and empower the students to become innovative leaders, contribute to the success of the organization and betterment of community.
5. To impart effective, supportive, accessible and affordable knowledge skills and education in commerce and management to empower our students to respond to the challenges in the corporate world in a academic environment that capitalizes on state – of – the art - technology.

PROGRAMME OUTCOMES (PO'S)

PO1: Explain many areas of management, such as TQM, production management, knowledge management, and emerging issues of management.

PO2: Vision-based human resource management through qualitative monitoring and financial resource management through quantitative procedures and controls.

PO3: Conceive, develop, assemble, and implement business concepts based on feasibility studies while adhering to business and consumer rules and maintaining the highest possible ethical standards.

PO4: Maximizing market share by maximizing resource utilization for quality control and output, culminating in Corporate Social Responsibility.

PO5: Develop an understanding of the accounting process and the ability to create financial statements. Ability to evaluate an entity's financial performance using various financial statement analysis tools.

PO6: Has a thorough understanding of the Indian financial system. Allows you to gain professional knowledge about current banking and insurance trends.

PO7: Enables students to make informed financial decisions about financing and investing in a variety of financial assets by utilizing various risk management strategies.

PO8: Provide understanding of globalisation and trade practices in order to finance international trade by taking into account global exchange rate variations.

PO9: Using relevant laws and ethical policies to demonstrate marketing research processes, structures, and strategies.

PO10: Using economics principles, theories, and procedures to assess the market environment and make business decisions.

PO11: Organizational development and effectiveness through the adoption of multiple leadership styles.

PO12: Improving employee employable skills for organizational growth and appraisal systems.

PO13: Understanding, acquiring and implementing business, law and management concepts, principles, and practices.

PROGRAMME SPECIFIC OUTCOMES (PSO'S)

<p>Program Specific Outcomes –</p>	<p>PSO1: Encourage the students to study, improvise, adapt, energize, excel, and shine in their career/profession on a regular basis.</p> <p>PSO2: Gain practical experience through internships and projects in real-world settings.</p> <p>PSO3: Develop managerial and ethical values so that students may innovate and create value in even the most difficult business scenarios.</p> <p>PSO4: Demonstrates their understanding of management principles, critical-thinking and problem-solving abilities, and leadership attributes.</p> <p>PSO5: Demonstrate their sense of responsibility by recognizing and adapting to required change.</p> <p>PSO6: Encourages entrepreneurship through learning the principles of innovation, new business development, and high-growth potential entities.</p>
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PROGRAM OBJECTIVES AND COURSE OUT COMES MAPPING

ASSESSMENT LEVELS: 0 – NOT MAPPED; 1 –MAPPED AT WEAK LEVEL; 2 – MAPPED AT MODERATE LEVEL; 3 – MAPPED AT SATISFACTORY LEVEL

COURSE TITLE				COURS E CODE	COURSE OUTCOMES								
FINANCIAL MANAGEMENT				DSC- 304 FMT	CO1 Demonstrate functions of financial management in business corporations, Knowledge of the value of money overtime								
					CO2 Calculate the various capital budgeting techniques for taking investment decisions								
					CO3 Distinguish between equity, debt and preference capital. Calculate specific cost of capital and weighted average cost of capital								
					CO4 Demonstrate the concept of working capital Determine working capital estimation								
					CO5 Calculate value of the firm using Walter’s Model, Gordon’s Model dividend theories								
	PO -1	PO -2	PO -3	PO -4	PO -5	PO -6	PO -7	PO -8	PO -9	PO -10	PO -11	PO -12	PO-13
CO -1	2	2	2	0	0	0	3	0	0	2	0	0	0
CO -2	3	2	3	2	0	1	3	0	1	2	2	0	1
CO -3	2	2	2	0	2	0	3	1	0	2	0	2	0
CO -4	3	2	3	3	1	3	3	0	2	2	3	1	3
TOTAL ATTIAI NMENT	2.5	2.0	2.5	1.25	0.75	1.0	3.0	0.75	0.75	2.0	1.2 5	0.7 5	1.0

$WPI = \sum_j (CO_j) / 4 \text{ (i=1 to 10 and j=1 to 4) (WPI is the Weight factor for Programme Outcome PO1)}$
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CLASS TIME-TABLE

DEPARTMENT:COMMERCE AND BUSINESS MANAGEMENT

CLASS : BBA-II YEAR (I SEMESTER)

ACADEMIC YEAR: 2022-23

DAY / HOURS	I	II	III	IV	V	VI
MON		FMT				
TUE		FMT				
WED	FMT					
THURS	FMT					
FRI			FMT			
SAT			FMT			

Subject Code	Subject	Name of the Faculty	Signature
DSC-304	FINANCIAL MANAGEMENT	C. DATTATREYULU	

TEACHING PLAN:

Sl No	Unit / Topic	Teaching Planned on Date	No of Periods Planned	Course Outcomes	Teaching aids used	Books Referred
1	UNIT-I: FINANCIAL MANAGEMENT - BASIC CONCEPTS: Financial Management - Meaning, Goals and Objectives - Functions of a finance manager - Financial decision-making; Concept and relevance of Time Value of Money - Compounding technique - Discounting technique (Simple applications of the time value of money).	26/10/2022 TO 10/11/2022	15	CO1 , CO3,	BLACK BOARD, CHALK AND DUSTER	Prasanna Chandra, Fundamentals of Financial Management, McGraw Hill Education, 6th edition, 2015
2	UNIT-II: INVESTMENT DECISIONS: Nature of Investment decision - Features and significance of Capital budgeting - Types of Capital budgeting decisions - Capital budgeting process - Cash flows estimation - Methods/Techniques of Evaluation - Traditional techniques - Payback period method - Accounting Rate of Return (ARR) method - Discounted Cash Flows (DCF) methods/techniques - Net Present Value (NPV) method - Internal Rate of Return (IRR) method.	11/11/2022 To 30/11/2022	20	CO1, CO2, CO3	BLACK BOARD, CHALK AND DUSTER, ICT CLASS ROOM	Prasanna Chandra, Fundamentals of Financial Management, McGraw Hill Education, 6th edition, 2015
3	UNIT-III: FINANCING DECISIONS: Leverage: Concepts - Operating Leverage: Meaning and measurement - Financial leverage: Meaning and measurement - Degree of Financial and Operating Leverages - Combined Leverage (Including simple problems) Capital structure: Meaning - Determinants of Capital Structure - Optimum Capital Structure - Capital Structure - Cost of Capital - Cost of Equity – Cost of Preference Share Capital – Cost of Debt and Preference Share Capital -	01/12/2022 To 15/12/2022	15	CO1, CO2, CO4	PPT, BLACK BOARD, CHALK AND DUSTER	LM. Pandey, Financial Management, Vikas Publishing House, 11th edition, 2015
4	UNIT – IV: DIVIDEND DECISIONS: Concept and significance - Types - Dividend policy and value of the firm - Determinants of dividend decision - Relevance of dividend decision (Walter's Model - Gordon's Model).	16/12/2022 TO 10/01/2023	15	CO1, CO2, CO5	BLACK BOARD, CHALK AND DUSTER	Prasanna Chandra, Fundamentals of Financial Management, McGraw Hill Education, 6th edition, 2015
5	UNIT-V: WORKING CAPITAL MANAGEMENT: Concepts of Working Capital - Determinants of Working Capital -Optimum level of current assets - Liquidity vs. Profitability - Risk Return Trade off . Estimating Working Capital needs (including Simple Problems). Estimating Working Capital Requirements (Simple problems) Objectives and importance of Cash Management, Receivables Management and Inventory Management (Theory only).	29/01/2023 TO 17/02/2023	15	CO1, CO2, CO5	PPT, BLACK BOARD, CHALK AND DUSTER	LM. Pandey, Financial Management, Vikas Publishing House, 11th edition, 2015

List of Recommended Text Books

SNO	Name of the Book	Author
1	Fundamentals of Financial Management	J.V. Horne & J.M. Wachowicz Fundamentals of Financial Management
2	Financial Management	Rustogi, ,TaxMann, 5th edition, 2011
3	Financial Management	LM. Pandey, Vikas Publishing House, 11th edition, 2015

List of Reference Text Books

SNO	Name of the Book	Author
1	Fundamentals of Financial Management	Prasanna Chandra, McGraw Hill Education, 6th edition, 2015
2	Fundamentals of Financial Management	Eugene.F. Brigham,. The Dryden Press, 6 edition, 1992
3	Financial Management	M.Y. Khan & P.K. Jain, Tata McGraw Hill Publishing Co.Ltd

List of URL's to be Referred

SN O	Name of the URL
01	http://vcmdrp.tums.ac.ir/files/financial/istgahe_mali/moton_english/financial_management_%5Bwww.accfile.com%5D.pdf
02	https://mdu.ac.in/UpFiles/UpPdfFiles/2020/Jan/FinancialManagement.pdf

**METHODOLOGY FOR CONTINUOUS INTERNAL
EVALUATION & EXTERNAL ASSESSMENT:**

SNO	NAME OF THE EXAM	MAX MARKS
01	Unit test	10
02	Unit test	10
03	Internal Examination	20

RECORD OF TUTORIAL CLASSES CONDUCTED

SNO	DATE	NAME OF FACULTY	TUTORIAL TOPIC
1	06/12/2022	C. DATTATREYULU	Scope of Financial Management
2	07/12/2022	C. DATTATREYULU	Profit Maximization Vs Wealth Maximization
3	08/12/2022	C. DATTATREYULU	Capital budgeting techniques
4	10/12/2022	C. DATTATREYULU	Determinants of capital structure
5	11/12/2022	C. DATTATREYULU	Determinants of dividend policy
6	17/01/2023	C. DATTATREYULU	Components of cost of capital
7	18/01/2023	C. DATTATREYULU	Gross Vs Net working capital
8	19/01/2023	C. DATTATREYULU	Determinants of working capital
9	20/01/2023	C. DATTATREYULU	Techniques of cash management
10	14/02/2023	C. DATTATREYULU	Scope of Financial Management
11	15/02/2023	C. DATTATREYULU	Profit Maximization Vs Wealth Maximization
12	16/02/2023	C. DATTATREYULU	Scope of Financial Management

RECORD OF MAKEUP CLASSES CONDUCTED

Date: 28/12/2022

Faculty Name: C. DATTATREYULU

Academic Year: 2022-23

Reason: LESS SCORE IN FIRST INTERNAL

Period: From: 3:10 PM To: 4:00 PM

Total Duration: 1 HOUR

Students Details:

Sl No.	Roll No	Name of the Student
1	086221822	BARUPATI POOJITHA
2	086221870	KANDUKURI SUNSISH BABU
3	086221883	KOUTAM RAMESH
4	086221956	SYED MASHOOQ RABBANI

Date: 01/02/2022

Faculty Name: C. DATTATREYULU

Academic Year: 2022-23

Reason: LESS SCORE IN SECOND INTERNAL

Period: From: 3:00 PM To: 4:00 PM

Total Duration: 1 HOUR

Students Details:

Sl No.	Roll No	Name of the Student
1	086221807	ANESH SAHU
2	086221810	ARELLA THILAK RATHNA
3	086221862	JUGUTI PRANAY
4	086221883	KOUTAM RAMESH
5	086221975	RAYARAKULA KRANTHI

RECORD OF STUDENT SEMINARS

ROLL. NO	NAME OF THE STUDENT	TOPIC
086221808	ANKARI RUCHIKA BAI	Capital budgeting techniques
086221809	ANTHATI PRAVALIKA	Determinants of capital structure
086221824	BETHI SRAVAN KUMAR	Determinants of dividend policy
086221845	ENUGUTHALA JAYANTHI	Components of cost of capital
086221875	KARUPOTHULA PARAMESHWARI	Scope of Financial Management
086221877	KESARAJU SAI KUMAR .	Profit Maximization Vs Wealth Maximization
086221920	PASTHAM GANESH	Scope of Financial Management
086221923	PODICHETI PRATHYUSHA	Profit Maximization Vs Wealth Maximization
086221969	ARURI PREM KUMAR	Scope of Financial Management

VAAGDEVI DEGREE&PG COLLEGE, HANAMKONDA

**BBA – II YEAR – I SEM
FINANCIAL MANAGEMENT**

UNIT TEST-I

Answer the following questions

Each question carries 5 marks

2x5 = 10 marks

1. Define Financial Managemnt? Explain the functions and scope of financial management?
2. What are the traditional and modern approaches of financial management?

VAAGDEVI DEGREE& PG COLLEGE, HANAMKONDA
BBA – II YEAR – I SEM
FINANCIAL MANAGEMENT
INTERNAL Examination-I

Answer all the questions

Max Marks: 20 Marks

Time: 90 mins

- 1. Define financial management?**
- 2. Explain the functions of FM?**
- 3. What is profit maximization and wealth maximization?**
- 4. Concept of Time value of money?**
- 5. Sources of long term finance?**
- 6. What are the applications discounted cash flow ?**
- 7. Cost of capital**
- 8. What do you mean by capital structure?**
- 9. Determinants of divided policy?**
- 10.Features of equity shares?**

VAAGDEVI DEGREE& PG COLLEGE, HANAMKONDA
BBA – II YEAR – I SEM
FINANCIAL MANAGEMENT
INTERNAL Examination-I

Answer all the questions

Max Marks: 20 Marks

Time: 90 mins

1. What is gross working capital?
2. Determinants of working capital?
3. What is cash management?
4. What are the techniques of cash management?
5. What is weighted average cost of capital?
6. What are the objectives of receivables management?
7. Credit policy?
8. What is ABC analysis?
9. What is inventory management?
10. Explain EOQ?

STUDENT PROGRESSION AND MARKS STATEMENT

BBA III SEM

HT.NO	NAME OF THE STUDENT	UNIT TEST-1	INTERNAL EXAM-1	UNIT TEST-2	INTERNAL EXAM-2
086221802	ADDAKULA PAL PRAKASH	7	17	7	16
086221803	ADEPU AKSHAYA	7	12	7	10
086221807	ANESH SAHU	6	17	8	17
086221808	ANKARI RUCHIKA BAI	7	16	7	15
086221809	ANTHATI PRAVALIKA	6	19	8	18
086221810	ARELLA THILAK RATHNA	7	20	8	20
086221815	BADAVATH SANTHOSH	9	20	9	20
086221818	BANDI TEJASRI	9	19	7	19
086221822	BARUPATI POOJITHA	6	18	7	17
086221824	BETHI SRAVAN KUMAR	7	20	7	20
086221828	BURA PRANEETH	7	20	7	18
086221832	CHAPARTHI RAJINI KUMAR	6	17	6	10
086221839	DEVARA LAVAN KUMAR	7	16	7	16
086221841	DONGARI CHANDU	6	20	7	20
086221845	ENUGUTHALA JAYANTHI	7	20	8	15
086221850	GADDAM ROHITH	9	18	6	17
086221851	GADE ARUN	9	20	8	20
086221852	GADE RAKSHITHA	6	18	7	14
086221862	JUGUTI PRANAY	8	17	8	15
086221866	KADAVERGU BHANU	7	14	8	11
086221870	KANDUKURI SUNSISH BABU	8	20	9	11
086221871	KANUKUNTALA RAVALI	9	19	7	12

086221875	KARUPOTHULA PARAMESHWARI	6	18	7	18
086221877	KESARAJU SAI KUMAR .	6	17	8	19
086221880	KONDAPAKALA SRAVANI	7	12	9	20
086221881	KOTA SANDEEP	7	17	8	20
086221882	KOTEM KAPIL	6	16	8	19
086221883	KOUTAM RAMESH	7	19	7	18
086221889	MALOTHU YESHWANTH	6	20	8	20
086221896	MEKALA CHANDU	7	20	7	20
086221899	MD RAIYAN ALI SIDDIQUE	9	19	8	17
086221901	MOHAMMED AFNAN AHMED	9	18	9	16
086221902	MOHAMMED ARBAZ	6	20	9	19
086221908	MOHAMMED SOHAIL	8	20	9	20
086221917	PALLAPU SRAVANI	8	17	8	20
086221920	PASTHAM GANESH	9	16	8	19
086221923	PODICHETI PRATHYUSHA	4	20	7	18
086221925	POGAKU RAKESH	5	20	8	20
086221926	POGU MEENA	6	18	9	20
086221927	POLUMARI DEEPAK	8	20	9	17
086221929	POTHARLA SINDHUJA	9	18	9	16
086221932	RAVULA PRANEETH KUMAR	7	17	8	20
086221938	SANGINENI SRAVAN KUMAR	6	14	8	20
086221939	SANHITHA GANGAPURAM	7	20	6	18
086221953	SYED ABDUL GHANI	7	19	7	20
086221955	SYED ARIF	6	18	7	18

086221956	SYED MASHOOQ RABBANI	7	20	6	17
086221957	THALLAPELly SPOORTHY	6	18	7	14
086221960	VADAPALLI MEGHANA	7	20	6	20
086221962	VELIGALETI SESA SRINIVASAN	9	18	7	19
086221969	ARURI PREM KUMAR	9	17	9	18
086221973	POLEPAKA SATHWIKA	6	14	9	20
086221975	RAYARAKULA KRANTHI	8	20	6	18
086221978	KATHI SAI SRIJA	9	19	8	20
086221802	ADDAKULA PAL PRAKASH	8	18	9	18
086221803	ADEPU AKSHAYA	8	20	8	17
086221807	ANESH SAHU	7	18	8	14
086221808	ANKARI RUCHIKA BAI	8	20	7	20
086221809	ANTHATI PRAVALIKA	7	18	8	19
086221810	ARELLA THILAK RATHNA	8	17	7	18

TEACHING NOTES

Unit No	Topic	Contents	Hours allocated	Hours taught	Exams taken	Remarks
UNIT I	FINANCIAL MANAGEMENT: A Brief Introduction	Financial Management: Meaning, scope and objectives. Financial structure & financial strategy. Financial decision-making: Capital and structure of firm, Role of Finance. Corporate valuation - Share price, dividend, Growth, application of NPV, IRR, cost of capital.	05	05		
UNIT II	FINANCIAL DECISIONS	Mean of financial decision - Efficiency and importance of Capital budgeting - Types of Capital budgeting decisions - Capital budgeting process - Cash flow estimation - Methods: techniques of evaluation - Payback, Accounting - Payback, Net Present Value, Internal Rate of Return (IRR) method - Discounted Cash Flow (DCF) method - NPV method - NPV method - NPV method - Internal Rate of Return (IRR) method.	11	11	3 (10/20)	The first chapter was revised for emphasis.
UNIT III	FINANCIAL DECISIONS	Working Capital Management - Meaning, importance, objectives - Working Capital Management: Meaning and importance - Types of Working Capital Management - Current Assets Management - Inventory Management - Payable Management - Receivable Management - Capital Management - Capital Structure - Good Capital - Cost of Capital - Cost of Preference Share Capital - Cost of Debt and Preference Share Capital.	11	11		
UNIT IV	FINANCIAL DECISIONS	Capital and capital structure - Types - Financial policy and ratio analysis - Importance of financial decisions - Analysis of financial decisions (Ratio's, Break even analysis).	05	05		
UNIT V	WORKING CAPITAL MANAGEMENT	Concepts of Working Capital - Importance of Working Capital Management - Working Capital Management - Types of Working Capital Management - Inventory Management - Payable Management - Receivable Management - Capital Management - Capital Structure - Good Capital - Cost of Capital - Cost of Preference Share Capital - Cost of Debt and Preference Share Capital.	05	05	05/20	Revision classes of total units.

[Signature]
H. K. Kulkarni

Head of Commerce & Business Management
Vardhaman Degree & PG College
Kharapur, Maharashtra

[Signature]
S. S. Kulkarni

Head of Commerce & Business Management
Vardhaman Degree & PG College
Kharapur, Maharashtra



VAAGDEVI DEGREE & PG COLLEGE

DIST: HANUMAKONDA, TELANGANA STATE-506001

(Affiliated to Kakatiya University, Warangal)

(e-mail: contact@vaagdevicolleges.com)

website: www.vaagdevicolleges.com)

Criterion: I

Teaching Plans

Chemistry



VAAGDEVI DEGREE & PG COLLEGE
DEPARTMENT OF CHEMISTRY COURSE FILE-VI SEM-MEDICINAL CHEMISTRY -2022-2023

Name of the faculty	Dr A.Srinivas Reddy &D.Gowthami
Designation	Faculty
Email	asvas1978@gmail.com
Course code	DSE-IF
Course Title	Medicinal Chemistry
ACADEMIC YEAR / SEMESTER	2022-2023/Sem- VI
NUMBER OF INSTRUCTIONAL HOURS	45h

INTRODUCTION TO COURSE:

Medicinal chemistry also one of the branch of Chemistry, it's explained about the preparation methods, properties, Structure, Dosage form, Preservative conditions and Pharmacological activities of different Drugs, Enzymes and Drugs interaction mechanism with different receptors in the body. This can create awareness about the different pharmaceuticals and knowledge about the different methods of synthesis which will be helpful to their carrier.



Vision

To achieve academic excellence by providing Skill enhancing and value enriching education which helps not only the growth of the individual student but also enable us of become a rich source for the Nation building by offering by talented youth to the society.

Mission

Our Institution strives hard to provide a perfect platform to meet world class challenges. By Inculcating the innovative Learning methods with a unique diversified curriculum and also by adopting a need based approach in academics while giving priority to moral and ethics which Shapes the individual to be fit for ever-changing global environment.

PROGRAM OUTCOMES

1. **Critical thinking:**-Take informed actions after identifying the assumptions that frame our thinking and actions checking out the degree to which these assumptions are accurate and valid and looming at our ideas and decisions.
2. **Effective Communication:** Speak, read write and listen clearly in person and through electronic media in English and in one Indian Language and make meaning of the world by connecting people ideas, books, media and Technology.
3. **Social interaction:** Elicit views of others mediate disagreements and help reach conclusions in group setting.
4. **Effective citizenship:** Demonstrate empathetic social concern and equality centered national development and the ability to act with an informed awareness of issues and participate in civic life through volunteering.
5. **Ethics:** Recognise different value systems including your own understand the moral dimensions of NAAC for quality and excellence in higher education.
6. **Environment and sustainability:** Understand the issues environmental contexts and sustainable development.
7. **Self directed and lifelong learning:** Acquire the ability to engage in independent and lifelong learning in the broad context socio technological issues.

PROGRAM SPECIFIC OUTCOMES

<p>Program Specific Outcomes – B.Sc (Chemistry)</p>	<p>Students majoring in Chemistry will develop a comprehensive understanding and appreciation in:</p> <ul style="list-style-type: none">● Aim to provide a firm foundation in every aspect of Medicinal Chemistry.● To explain applications of modern trends in medicinal chemistry.● To develop creativity and understanding links of Medicinal chemistry to other disciplines.● To develop the ability to applied the theoretical knowledge through experiments in medicinal chemistry.
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Course out comes

COURSE TITLE	COURSE CODE	COURSE OUTCOMES
Medicinal Chemistry	DSE -IF	<p>CO1: To understand and analyze the Terminology of Medicinal Chemistry, Nomenclature, Classification and ADMET Process.</p> <p>CO2: To understand the concepts of Enzymes, its interaction. Receptors and its interaction with Drugs.</p> <p>CO3: To understand the Synthetic methods, Therapeutic activity of different Drugs.</p> <p>CO4: To know about the Molecular messengers, Vitamines and Hormones function and its deficiency diseases.</p>

CLASS TIME-TABLE

Department : CHEMISTRY

Class: BtBC,BtZC&BtMiC - III YEAR (VI SEMESTER)

Academic Year: 2022-23

DAY / HOURS	1 (9.00AM-9.50 AM)	2 (9..50AM-10.40 AM)	3 (10.40 AM-11.30 AM)	4 (1.00 PM-2.00 PM)	5 (2.00 PM-2.50 PM)	6 (2.50 PM-4.00 PM)
MON		Dr ASR				PHY-T
TUE		Dr ASR			B1 Batch KN	
WED		DrASR			B2 Batch SDY	
THU		DG				
FRI		DG				
SAT		DG				

Subject Code	Subject	Name of the Faculty	Signature
DSE-1F	Medicinal Chemistry Lab	Dr A.Srinivas Reddy D.Gouthami K.Nandini SD Yakoob	

B.Sc. III YEAR CHEMISTRY

SEMESTER V

PHE-A: Chemistry Paper-II

(Medicinal Chemistry)

03 credit

04 hrs 04 Lectures

Unit I: Introduction and Terminology (15 Hrs)

1.1-1.3 Diseases: Common diseases, infectious diseases-viral, bacterial, protozoal and fungal diseases.

Terminology in Medicinal Chemistry, Drug, Active Pharmaceutical Ingredient (API), Pharmaceutical, Pharmacology, Pharmacophore, Pharmacodynamics, Pharmacokinetics, metabolism, anti-metabolites and therapeutic index

Drugs: Nomenclature: Chemical name, Generic name and Trade name with examples. Classification: Classification based on structure and pharmacological activity with examples.

ADMET: a) Absorption: Definition, absorption of drugs across the membrane - active and passive absorption, modes of administration of drugs. b) Distribution: definition and effect of plasma protein binding. c) Metabolism: Definition, phase I and phase II reactions. d) Elimination: definition and renal clearance. Toxicity.

Unit II: Enzymes and Receptors (15 Hrs)

2.1-2.4 Enzymes: Introduction, Structure and factors affecting enzyme action, Specificity of enzyme action (including coenzyme specificity), Enzyme inhibitors and their importance. Types of inhibition - reversible, irreversible and allosteric inhibition with examples.

Receptors: Introduction, Drug-receptor interaction: Receptor, Mechanism of drug action, concept of agonists and antagonists with examples. Drug-receptor interaction: involved in drug-receptor complex, binding site of -OH group, -NH₂ group, quaternary ammonium cation and double bond. Structure - activity relationship of drug molecules, exploration with salicylates.

Unit III: Synthetic and Therapeutic Aspects of Drugs (15 Hrs)

3.1-3.4 Introduction, synthesis and therapeutic activity of

Cholinergic agents, Sulphonamides, furosemide, Prostaglandin synthase inhibitors, Cholinergics, NSAIDs, Opioids and A21.

Drugs to treat metabolic disorders: Anti-diabetic - Thiazolidine, Anti-inflammatory - Salicylates, Cardiovascular- Digoxin, furosemide, Antihypertensive (propranolol, nifedipine) and Antiacid- Cimetidine.

Page 3 of 6

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Drugs acting on nervous system: Anesthetics-definition, Classification (local and general), Volatile: Nitrous oxide, ether, chloroform uses and disadvantages. Local anesthetics – benzocaine.

Unit IV: Molecular Messengers and Vitamins and Micronutrients (13 Hrs)

28-3-+21: Molecular Messengers: Introduction to hormones and neurotransmitters. Thyroid hormones. Antithyroid drug-Carbamazole. Adrenaline: Adrenergic drugs- isoproterenol, albuterol. Serotonin: SSRIs. Dopamine: Dopamine: Antipsychotics-Atyp. Levodopa.

Vitamins and Micronutrients: Introduction, Vitamin sources, Deficiency disorders and remedy of Vitamins A, B, C, D, E, K and micronutrients - Na, K, Ca, Cu, Zn and I.

Recommended Text Books and Reference Books:

1. Introduction to Medicinal Chemistry, G.L. Patrick, Oxford University Press, New York, 2011.
2. Medicinal Chemistry, Thomas Sugrady, Oxford Univ. Press, New York, 2005.
3. Text's Principles of Medicinal Chemistry, David Williams and Thomas Lemke, Lipincott Williams & Wilkins, 2008.
4. Medicinal Chemistry, Ashwathi Kar, New Age International, 2011.
5. Synthetic Drugs, D.D Tyagi & M Yadav, Arson Publications, 1996.
6. Medicinal Chemistry, A.Ra L. Gupta, Pragam Publications.
7. Drugs, G. L. David Raspadarao, D Vijaya Prasad, K Vasuprasad Rao, K. L. K. Kadiy, C. Reddy, Universities Press (India) Ltd, 2012.

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B.Sc. III YEAR CHEMISTRY

SEMESTER-VI

LABORATORY COURSE

Part -V, Experiment in Physical Chemistry-II

(08 Credit)

45 Hrs (03 Hrs/week)

I. Kinetics

- Determination of specific reaction rate of the hydrolysis of methyl acetate catalyzed by hydrogen ions at room temperature.
- Determination rate of decomposition of hydrogen peroxide catalyzed by Fe^{2+} .

II. Electrochemistry

A. Potentiometry

- Determination of redox potential of $\text{Fe}^{3+}/\text{Fe}^{2+}$ by potentiometric titration of ferrous ammonium sulphate oxypotassium dichromate.
- Precipitation titration of KCl vs AgNO_3 . Determination of glass concentration of silver ions.

B. pHmetry

- pH metric titration of strong acid (HCl) vs strong base. Determination of the concentration of given acid.
- pH metric titration of strong acid (acetic acid) with strong base (NaOH). Determination of acid dissociation constant (K_a) of weak acid.

C. Conductimetry

- Determination of overall order. Significance of ethyl acetate with NaOH by conductance measurement.

Reference books

- Some practical physical chemistry, B.D Khosla, V.C Garg, Ashish Garg.
- Advanced Practical Physical chemistry, J.B.Volac.
- Practical Physical chemistry, B.Vidyaiah and P.S.Raghavan.
- Practical Physical chemistry, P.S. Saha.

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TEACHING PLAN:

Unit / Topic	Teaching Planned on Date	No of Periods Planned	Course Outcomes	Teaching aids used	Books Referred
Unit-I Introduction and terminology- diseases, Terminology- drug, Active pharmaceutical ingredient(API) , metabolites and anti metabolites therapeutic index, Drugs nomenclature ,Classification of drugs,ADMET- absorption of drugs ,Distribution of drugs ,Metabolism of drugs , Elimination and toxicity of drugs	8 FEB to 21 th FEB	11	CO1 , CO3,	Board and Chalk	<ul style="list-style-type: none"> Medicinal Chemistry By Ashutoshkar.
Unit-II- Enzymes and Receptors introduction, Mechanism of enzyme action, Factors affecting enzyme action, Specificity of enzyme action, Enzyme inhibition Inhibition types ,examples, Receptors introduction Drug receptors interactions Binding role of functional groups, Structure activity relationship of drug molecules.	22 FEB-6 th Mar	11	CO 2	BLACK BOARD, CHALK AND DUSTER and Microsoft teams	<ul style="list-style-type: none"> Medicinal Chemistry by Nogrady

<p>Unit-III Synthesis and therapeutic activity of drugs- Introduction to chemotherapeutics, Sulphanilamide-synthesis and activity, Dapsone -synthesis and activity Penicillin-G synthesis and activity ,Chloroquin - synthesis and activity , Isoniazid, Cis platin synthesis and activity, Drugs to treat metabolic disorders-Anti-diabetic- Tolbutamide ,synthesis and activity ,Anti-inflammatory - Ibuprofen ,Cardiovascular- Glyceryltrinitrate, Antipyretics,Antacid- Omeprazole.Drugs acting on nervous system,Aneasthetics-classification, Volatile aneasthetics nitrous oxide. Chloroform uses, disadvantages. Local aneasthetics-benzocaine.</p>	<p>7 th Mar- 18 Mar</p>				
<p>Unit -IV</p> <p>Hormones and neurotransmitters,Thyroid hormones ,Anti-thyroid drug- carbimazole,Adrenergic drugs- salbutamol,Atenolol,serotonin ,SSRIs-Fluoxetine ,Dopamine anti Parkinsons disease-Levodopa ,Vitamins and micro nutrients Vitamins -A,B deficiency disorders and remedy ,Vitamins E,K deficiency disorders and remedy,Micronutrients introduction,micronutrients Na, K, Micronutrients-Ca, Cu ,Micronutrients-Zn,I .</p>	<p>20th MAR - 13 th APR</p>	<p>12</p>	<p>CO1, CO3.</p>	<p>BLACK BOARD, CHALK AND DUSTER</p>	<p>Synthesis of Essential drugs by Ruben Vardhanyan</p>

List of Recommended Text Books

SNO	Name of the Book	Author
1	Medicinal Chemistry	Ashutoshkar New Age International, 2005.
2	Introduction to Medicinal Chemistry	G.L.Patrick, Oxford University Press, New York, 2013.
1.	Synthetic Drugs	O.D.Tyagi,M.Yadav,Anmol Publications,1998.

List of Reference Text Books

SNO	Name of the Book	Author
1	Synthesis of Essential Drugs	Ruben Vardhanyan and victor Rubey
2	Medicinal Chemistry	Alka L Gupta

List of URL's to be Referred

SNO	Name of the URL
01	https://books.google.co.in/books?id=C9qtuHZcrYEC&lpg=PP1&pg=PA3#v=onepage&q&f=false
02	https://books.google.co.in/books?id=tUSLclf_NoQC&lpg=PP1&pg=PP1#v=onepage&q&f=false

**METHODOLOGY FOR CONTINUOUS INTERNAL
EVALUATION & EXTERNAL ASSESSMENT:**

SNO	NAME OF THE EXAM	MAX MARKS
01	Unit tests	10
02	Internal examinations	20

RECORD OF TUTORIAL CLASSES CONDUCTED

SNO	DATE	NAME OF FACULTY	TUTORIAL TOPIC
1	08/04/2023	Dr A Srinivas Reddy	Absorption
2	10/04/2023	Dr A Srinivas Reddy	Enzymes interaction
3	14/05/2023	Dr A Srinivas Reddy	Distribution
4	22/05/2023	Dr A Srinivas Reddy	Enzymes inhibition
5	29/05/2023	Dr A Srinivas Reddy	Metabolism
6	09/06/2023	Dr A Srinivas Reddy	Toxicity
7	14/06/2023	Dr A Srinivas Reddy	Therapeutic index

Date: 15/06/2023
Academic Year: 2022 - 2023
Period: From: 3:10 PM To: 4:00 PM

Faculty Name: **Dr A Srinivas Reddy**
Reason: LESS SCORE IN FIRST INTERNAL
Total Duration: 1 HOUR

Students Details:

Sl No.	Roll No	Name of the Student
1	086224202	ALUGAM SIMHADRI
2	086224225	GAVIDE HARISH
3	086224228	ASHWATHI MANIKANTA
4	086224225	GAVIDE HARISH
5	086224006	BETHI SRIKANTH
6	086224016	MALYALA AKASH
7	086224017	PATHIPAKA MANJUSHA

Date: 04/04/2023
Academic Year: 2022 - 2023
Period: From: 3:00 PM To: 4:00 PM

Faculty Name: **Dr A Srinivas Reddy**
Reason: LESS SCORE IN SECOND INTERNAL
Total Duration: 1

VAAGDEVI DEGREE& PG COLLEGE, HANAMKONDA

III yr B.Sc (CHEMISTRY)-VI MEDICINAL CHEMISTRY

INTERNAL Examination-I

10x 2 = 20

Note: Answer all the questions

1. Define Drug and write the characteristics of Drug.
2. Briefly explain about Drug Metabolism.
3. Write about Generic names of Drugs.
4. Write a short note on drug receptor interaction.
5. Write a short note SAR.
6. What factors effecting on enzyme action.
7. Write about Agonist.
8. Write about enzyme inhibitors.
9. Mention the types of drugs based on therapeutic activity.
10. Define Pharmacology and Pharmaceutics.

VAAGDEVI DEGREE & PG COLLEGE, HANAMKONDA

UNIT TEST-I VI Semester, MEDICINAL CHEMISTRY

Answer the following questions

Each carries 5 marks

2x5 = 10 marks

1. Explain about Drug Metabolism?
2. Explain about lock and Key theory?

VAAGDEVI DEGREE&PG COLLEGE, HANAMKONDA

III yr B.Sc (**CHEMISTRY**) (Bts)-V I SEM

MEDICINAL CHEMISTRY

II- INTERNAL 2 x 10 = 20

1. Write the therapeutic activity of Dapsone.
2. Write synthesis of Penicillin G.
3. Write a short note on anaesthetics.
4. What is the structure of Glyceryl tri nitrate?
5. Write the Pharmacological applications of Talbutamide.
6. Write about Water soluble vitamins.
7. Write a short note on Thyroid Hormones.
8. Write Levodopa structure.
9. Write about Zn and Iron.
10. Write a short note on Dopamine.

VAAGDEVI DEGREE & PG COLLEGE, HANAMKONDA

UNIT TEST-I VI Semester, MEDICINAL CHEMISTRY

Answer the following questions

Each carries 5 marks 2x5 = 10 marks

1. Write about Talbutamide and Ibuprofen synthesis?
- 2 Write about Anti Parkinsonism drugs and its synthesis?

Teaching Notes

Unit no	Topics	Synopsis	Hours allotted	Hours taught	Extra hours taken	Reason
UNIT -I	Introduction and terminology-	diseases, Terminology-drug, Active pharmaceutical ingredient(API) , metabolites and anti metabolites therapeutic index, Drugs nomenclature , Classification of drugs, ADMET- absorption of drugs , Distribution of drugs , Metabolism of drugs , Elimination and toxicity of drugs	11	11		
UNIT -II	Enzymes and Receptors	Introduction, Mechanism of enzyme action, Factors affecting enzyme action, Specificity of enzyme action, Enzyme inhibition Inhibition types , examples, Receptors introduction Drug receptors interactions Binding role of functional groups, Structure activity relationship of drug molecules.	11	11		

UNIT -III	Synthesis and therapeutic activity of drugs	chemotherapeutics, Dapsone Penicillin-G s,Chloroquin Isoniazid, Cis platin -Anti-diabetic- Tolbutamide ,synthesis and activity ,Anti- inflammatory -Ibuprofen ,Cardiovascular- Glyceryltrinitrate, Antipyretics,Antacid- Omeprazole.Drugs acting on nervous system,Aneasthetics-	12	12		
Unit IV	Hormones andneurotransmitters	,Thyroid hormones , Adrenergic drugs- Parkinsons disease- Levodopa ,Vitamins and micro nutrients remedy,Micronutrients introduction,micronutri ents .	11	11		



VISION:

To ensure that students develop an interest, curiosity in academics and are exposed to practical training which will enhance their theoretical understanding and increase an aptitude for exploration.

MISSION:

They will be encouraged to develop scientific temperament, analytical skills and to take up internships, which would become the stepping stone to success in research/ job opportunity

PROGRAM OUTCOMES:

PO1: Creative Thinking: Students will be able to think creatively (divergently and convergent) to propose novel ideas in explaining facts and figures or providing new solution to the problems in chemistry

PO2: Interdisciplinary Approach: Students will realize how developments in any science subject helps in the development of other science subjects and vice-versa and how interdisciplinary approach helps in providing better solutions and new ideas for the sustainable developments.

PO3: Personality Development: Students will imbibe ethical, moral and social values in personal and social life leading to highly cultured and civilized personality

PO4: Skills in research and industrial field: Students will build a scientific temper and will be able to learn the necessary skills to succeed in research or industrial field. In addition they will acquire the skills in handling scientific instruments, planning and performing in laboratory experiments.

PO5: Communication Skills: Students will develop various communication skills such as reading, listening, speaking, etc., which we will help in expressing ideas and views clearly and effectively

PO6: Environmental monitoring: Students will be able to understand the environmental issues Global warming, Climate change, Acid rain, Ozone depletion and will create awareness in society .

PROGRAM SPECIFIC OUTCOMES

<p>Program Specific Outcomes – M.Sc (Chemistry)</p>	<p>PSO1: Students will understand the basic concepts, fundamental principles, and the scientific theories related to various scientific phenomena and their relevancies in the day-to-day life.</p> <p>PSO2: Students will find that every branch of science and technology is related to Chemistry.</p> <p>PSO3: Viewing chemistry as a tool the developing mind and critical attitude and the faculty of logical reasoning that is prepared to serve in diverse fields.</p> <p>PSO4: Students will gain a thorough Knowledge in the subject to be able to work in projects at different research as well as academic institutions.</p>
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Course out comes

COURSE TITLE	COURSE CODE	COURSE OUTCOMES
GROUP THEORY AND SPECTROSCOPY	1CHT4	<p>CO1: To understand the concept of significance of group theory for chemistry is that molecules can be categorized on the basis of their symmetry properties.</p> <p>CO2: To study the chemical and physical molecular systems, including weakly bound complexes, radicals, ions, and other transient species. Information on molecular structure, internal motions and intermolecular interactions are easily obtained.</p> <p>CO3: To study about Infrared radiations it refers broadly to that part of electromagnetic spectrum between visible and microwave region. study of interaction between infrared radiations and matter.</p> <p>CO4: To study energy absorbed by changes in the nuclear spin state. And study of proteins and nucleic acids has provided unique information on the dynamics and chemical kinetics of these systems.</p>

CLASS TIME-TABLE

Department : CHEMISTRY

DAY	9:00-9:50	9:50-10:40	10:40-11:30	11:30-12:20	12:20-1:10	1:10-2:00PM	2:00-2:50	2:50-3:40	3:40-4:30
MON	GP	CGR							
TUE	GP	CGR							
WED	CGR	GP							
THUR		GP							
FRI	SEMINAR								
SAT	SEMINAR								

Class: M.Sc I YEAR (I SEMESTER)

Academic Year: 2022-23

Subject Code	Subject	Name of the Faculty	Signature
1CHT4	GROUP THEORY AND SPECTROSCOPY	C.Govind Rao	
1CHT4	GROUP THEORY AND SPECTROSCOPY	G Prashanthi	

EXHIBITION**Part-24. Group Theory and Spectroscopy (MCHES)**

Date: _____

Contd.] Symmetry & Group Theory**25a**

Concept of Symmetry in Chemistry: Symmetry Operations and Elements of Symmetry. Point and Axis of Symmetry. Plane of Symmetry. Improper Rotational Axis of Symmetry (MCHES Axis of Symmetry). Order of Symmetry and Identity Element. Mathematical treatment of point groups for symmetry. Point groups and classification of molecules into C_1 , C_2 , C_3 , C_4 , C_6 , C_{2v} , C_{3v} , C_{4v} , C_{6v} , C_{2h} , D_2 , D_3 , D_4 , D_6 , D_{2d} , D_{3d} , D_{4h} , D_{6h} , I_h and O_h groups with example. Mirror and inversion groups. Element of Symmetry of molecules with vibrations. Symmetry Groups for Linear Molecules. Symmetry Restrictions in Dipole Moment. Study representation of symmetry operations and point groups.

UNIT-18 - Rotational, Vibrational and Raman Spectroscopy**25b**

Rotational (Microwave) spectroscopy: Types of molecules eligible and diatomic spectroscopy. Classification of molecules based on number of atoms. Rotational energy levels and selection rules of rotational spectra. Calculation of bond lengths of diatomic molecules. Isotopic effect on rotational spectra.

Infrared Spectroscopy: Vibrational energy of a diatomic molecule. Selection rules. Characteristic bands. Zero point energy. Calculation of force constant of diatomic molecule. Rotational-Vibrational spectra of diatomic molecules. Normal modes of vibration for linear and non-linear molecules. Types of stretching and bending vibrations. Factors affecting vibrational frequency: change of mass, change of bond length and force constant-conjugational bond. Characteristic absorption in various classes of compounds. Application of infrared spectroscopy. Isotopic substitution of organic molecules and natural groups. The nature of vibrational, rotational and vibrational-rotational spectra. Linear and non-linear molecules. Selection rules for vibrational spectra. Study of vibrational spectra and their assignment. Factors of bond strength and electronic effect on vibrational spectra.

Raman spectroscopy: Raman effect. Quantum theory of Raman scattering. Stokes and Anti-Stokes Raman effect. Instrumentation. Normal Raman spectrum and Raman spectra of CH_4 , NO_2 , C_6H_6 , SO_2 , CO_2 and O_2 .

Unit 18 further
(Part 24) necessary
Part 24
(Part 24)

7. *Electron Spin Resonance Spectroscopy* - V. R. Starna (Oxford & Cambridge)
8. *Organic spectroscopy* - W. Kemp (Ellis)
9. *Nuclear Magnetic Resonance: Basic Principles - Applications*
10. *Introduction to Spectroscopy* - David J. Pavia, Gary M. Lampman, George S. Kriz, James A. Vyvyan
11. *Spectroscopy* - David J. Pavia, Gary M. Lampman, George S. Kriz
12. *Instrumental methods of chemical analysis*, 3. (David & G. R. Armit)
13. *Group Theory and Molecular Spectroscopy* - A. Vincent Bailey
14. *Spectrometric Identification of organic compounds*, 4th Ed. Robert M. Silverstein & Francis Weisser
15. *Applications of spectroscopy* - J. Dyer



 Date: _____



 Prof. Gopal Nayak, Chairperson, BEd in Chemistry, BU.

TEACHING PLAN:

Sl No	Unit / Topic	Teaching Planned on Date	No of Periods Planne d	Cours e Outco mes	Teaching aids used	Books Referred
1	Symmetry & Group theory: Symmetry of molecules, Symmetry operations, classification of point groups and symmetry criteria of optical activity, and group multiplication table.	09/07/22 to 31/07/2022	15	CO1	BLACK BOARD, CHALK AND DUSTER, CHART	F.A Cotton
2	Rotational vibrational and raman spectroscopy: Types of molecular energies and molecular spectroscopy. And Lambert-Beer's absorption law, Origin of electronic spectra and charge transfer spectra of complexes. Benzene and it's derivatives, and photometric titrations.	01/08/2022 TO 23/08/2022	17	CO2	BLACK BOARD, CHALK AND DUSTER	P.S Kalsi
3	UV Visible and Electronic Spectroscopy: Vibrational energies of di-atomic molecules ,P, Q,R Branches and Raman effect quantum theory and Instrumentation. Isotropic and anisotropic effects of alkanes, olefins and aromatic systems.	26/08/2022 TO 15/09/2022	13	CO3	BLACK BOARD, CHALK AND DUSTER	W.Kemp S.K Aanad

4	NMR Spectroscopy: The theory of NMR , spin –spin coupling and NMR spectra of compounds of benzaldehyde, ethyl benzene and applications of NMR and Instrumentation of ESR Spectra and ESR spectra of organic molecules.	16/09/2022 TO 30/09/2022	15	CO4	BLACK BOARD, CHALK AND DUSTER	Aattur Rahman
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List of Recommended Text Books

SN O	Name of the Book	Author
1	Chemical applications of Group Theory	F.A Cotton
2	Spectroscopy Organic compounds	P.S. Kalsi
3	Organic Spectroscopy	Jag Mohan

List of Reference Text Books

SN O	Name of the Book	Author
1	Chemical applications of Group Theory	F.A Cotton
2	Spectroscopy Organic compounds	P.S. Kalsi
3	Organic Spectroscopy	Jag Mohan

List of URL's to be Referred

S.NO.	Name of the URL
01	https://www.slideshare.net/ssuser16d056/symmetry-and-group-theory-93483285
02	https://www.slideshare.net/AFSATH/nmr-spectroscopy-78844956

METHODOLOGY FOR CONTINUOUS INTERNAL
EVALUATION & EXTERNAL ASSESSMENT:

SNO	NAME OF THE EXAM	MAX MARKS
01	Unit test	20
02	Internal examinations	20

RECORD OF TUTORIAL CLASSES CONDUCTED

SN O	DATE	NAME OF FACULTY	TUTORIAL TOPIC
1	09/07/22	C.Govind Rao	Lambert-Beer's absorption law
2	5/08/2022	C.Govind Rao	Fermi-resonance in IR Spectroscopy with an example
3	11/09/2022	G Prashanthi	Abelian and Non-Abelian groups
4	22/09/2022	G Prashanthi	Tri-atomic molecule of OCS
5	1/10/2022	C.Govind Rao	Instrumentation of IR Spectroscopy
6	12/10/2022	C.Govind Rao	Linear and Non linear molecule
7	22/10/2022	G Prashanthi	Centrifugal distortion constant
8	2/11/2022	G Prashanthi	UV Spectra of Mesityl oxide and Phenol
9	12/11/2022	G Prashanthi	types of transition elements
10	22/11/2022	G Prashanthi	symmetry changes with substitution with two examples
11	1/12/2022	C.Govind Rao	Dipole moment
12	1/12/2022	C.Govind Rao	P, Q,R Branches

RECORD OF STUDENT SEMINARS

S.NO.	HALL TICKET NO	SEMINAR MARKS
1	23117S0601	24
2	23117S0602	24
3	23117S0603	20
4	23117S0604	22
5	23117S0605	24
6	23117S0606	22
7	23117S0607	22
8	23117S0608	23
9	23117S0609	23
10	23117S0610	21
11	23117S0611	22
12	23117S0612	24
13	23117S0613	24
14	23117S0614	18
15	23117S0615	18
16	23117S0616	22
17	23117S0617	22
18	23117S0618	23
19	23117S0619	18
20	23117S0620	22
21	23117S0621	18
22	23117S0622	24

23	23117S0623	24
24	23117S0624	21

VAAGDEVI DEGREE & PG COLLEGE, HANAMKONDA

M.Sc I SEM-CHEMISTRY

GROUP THEORY AND SPECTROSCOPY UNIT TEST-I

Answer the following questions

Each question carries 10 marks

2x10= 20 marks

1. Explain Rotational spectra of linear tri-atomic molecule of OCS Molecule?
2. Write about Symmetry Operations and Explain Different types of Symmetry ?

VAAGDEVI DEGREE & PG COLLEGE , HANAMKONDA

PG SEM- I (GROUP THEORY AND SPECTROSCOPY) PAPER – IV (2022-23)

INTERNAL EXAMINATION – I

Attempt All Questions.

10x2=20m

Time:90min

- 1) Write the Instrumentation of IR Spectroscopy?
- 2) State and explain Lambert's-Beers Law? What is its Applications?
- 3) Discuss in detail the factors influencing vibrational frequencies of organic molecules?
- 4) Write the Normal modes of vibrations for Linear and Non linear molecule?
- 5) Explain about Coupled reactions?
- 6) Write about spin –spin coupling?
- 7) Explain ESR spectra 1,4 benzoquinone and Naphthalene anion?
- 8) Give any two applications of NMR spectroscopy?
- 9) Write about Boltzmann distribution law?
- 10) Explain principle involved in ESR Spectroscopy?

Assignment Questions:

- 1) Write about group multiplication table?
- 2) Explain about Instrumentation of NMR Spectroscopy?

VAAGDEVI DEGREE & PG COLLEGE, HANAMKONDA
PG SEM- I (GROUP THEORY AND SPECTROSCOPY) PAPER – IV

M.Sc I SEM-CHEMISTRY

UNIT TEST-II

Answer the following questions

Each question carries 10 marks

2x10=20 marks

1. Explain about Coupled reactions?
2. Explain instrumentation and principle of Amperometric titrations.

VAAGDEVI DEGREE & PG COLLEGE , HANAMKONDA

PG SEM- I (GROUP THEORY AND SPECTROSCOPY) PAPER – IV (2022-23)

INTERNAL EXAMINATION – II

Attempt All Questions.

10x2=20m

Time:90min

- 1) Discuss symmetry restrictions in Dipole moment?
- 2) What are Abelian and Non-Abelian groups?
- 3) Write the detailed procedure for the classification of molecules in to point groups?
- 4) Give different point groups in following groups?
1) H₂O 2) C₃H₄ 3) CH₄
- 5) Write about symmetry restrictions in Dipole moment?
- 6) Give different types of molecular energies in Molecular spectroscopy?
- 7) Explain Boltzmann Distribution law?
- 8) Explain Rotational spectra of linear tri-atomic molecule of OCS Molecule?
- 9) Write the UV spectra of Mesityl Oxide and Phenol?
- 10) Write about Woodward –Fischer rules?

Assignment Questions:

- 1) Give the Classification of molecules based on Moment of Inertia?
- 2) Write about Effect of isotopic substitution –abundance of isotopes?

STUDENT PROGRESSION AND MARKS STATEMENT

HALL TICKET NO	UNIT TEST-1	INTERNAL EXAM-1	UNIT TEST-2	INTERNAL EXAM-2
23117S0601	7	13	7	16
23117S0602	9	18	10	17
23117S0603	7	15	8	13
23117S0604	6	14	7	14
23117S0605	8	16	7	18
23117S0606	9	19	10	16
23117S0607	8	15	09	19
23117S0608	8	18	9	10
23117S0609	8	19	09	18
23117S0610	7	19	9	17
23117S0611	7	15	8	16
23117S0612	8	14	8	17
23117S0613	8	16	10	10
23117S0614	7	16	8	16
23117S0615	9	14	7	17
23117S0616	7	14	6	11
23117S0617	7	15	7	11
23117S0618	8	16	9	19
23117S0619	7	14	8	17
23117S0620	6	14	7	17
23117S0621	6	13	7	17

23117S0622	9	14	9	14
23117S0623	7	16	8	14
23117S0624	8	16	7	17

TEACHING NOTES

Unit no	Topics	Synopsis	Hours allotted	Hours taught	Extra hours taken	Reason
UNIT -I	Symmetry & Group theory:	Symmetry of molecules, Symmetry operations, classification of point groups and abelian and non abelian groups and symmetry criteria of optical activity, and symmetry restrictions in dipole moment and group multiplication table.	17	17		
UNIT -II	Rotational vibrational and raman spectroscopy:	Types of molecular energies and molecular spectroscopy. And Lambert-Beer's absorption law, Origin of electronic spectra and charge transfer spectra of complexes. Benzene and it's derivatives, and stark effect and rotational energy levels of tri atomic molecules photometric titrations.	15	15		

Unit-III	UV Visible and Infrared Spectroscopy	Structural elucidation of aliphatic molecules. π , σ , π - σ transition and solvent effect on spectra. Basic and functional group. Frequency determination, inductive and mesomeric effect of substituents and aromatic systems.	17	17		
Unit-IV	NMR Spectroscopy	The theory of NMR, spin-spin coupling and NMR spectra of compounds of variable type, effect of anisotropy and applications of NMR and interpretation of ESR Spectra and EPR spectra of organic molecules.	18	18		


 K. J. Somaiya Institute of Engineering & Information Technology
 VES, Gandhinagar, Mumbai-400 072


 Principal
 Yashwantrao Chavan P.G. College
 Kharvela, Mumbai-400 072



VAAGDEVI DEGREE & PG COLLEGE

DIST: HANUMAKONDA, TELANGANA STATE - 506001

(Affiliated to Kakatiya University, Warangal)

(e-mail: contact@vaagdevicolleges.com)

(website: www.vaagdevicolleges.com)

Criterion: I

Teaching Plans

English

VAAGDEVI DEGREE & P.G. COLLEGE
DEPARTMENT OF ENGLISH
COURSE FILE – SEM- II (2022 - 2023) ENGLISH FOR ADVANCEMENT

Name of the Faculty	S. Neelima
Designation	Lecturer
Email	neelimasri2005@gmail.com
Course Code	ELS1
Course Title	English for Advancement
Academic Year/ Semester	2022-23 / Sem - II
No. of instructional hours	70

- **INTRODUCTION OF THE COURSE**

English language plays an influential role in contemporary India. The ability to communicate fluently in English is now an important aspect of education. The course, English for Advancement prepares learners to meet the needs and interests of the students. LSRW skills are integrated into the lessons to help the students strengthen their understanding of the language by ensuring them actively put into practice what they learn. English for Advancement help students improve their language and communication skills.

VISION : Vision of the department has been to strive for academic excellence and to advance research expertise in the cover areas of English for Advancement.

MISSION :

- to serve the needs of all the students by developing their abilities to write for college and for their lives as citizens.
- To provide students with sophisticated writing and critical thinking useful in academics.
- Offers opportunities to explore identity, values manners and morals.
- Develop student's skills in LSRW by reading, writing, listening and analyzing the textual book.

PROGRAM OUTCOMES

- **Core competency:** Learners acquire core competencies in language ability, cultural awareness and improve their speaking ability in terms of fluency and comprehensibility.
- **Diverse Genres:** Learners will use the conventions of diverse textual genres of Poetry, prose, play and essays, grammar and use it in other writings.
- **Writing:** Learners shall construct clear grammatical sentences and produce well organized texts.
- **Psychological Strengthen:** The students will also strengthen moral rules and be able to deal with psychological weaknesses.
- **Effective communication skills:** The students will be provided the necessary skills in speaking (JAM), listening, writing and by reading the content for a meaningful interaction with others.

PROGRAM SPECIFIC OUTCOMES

Program specific outcomes – English – Semester- II.	<ul style="list-style-type: none">• Learners will develop their ability as critical readers and writers, enhance competence in the four modes of writing, speaking, reading and listening.• Students will enlarge their vocabulary.
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	<ul style="list-style-type: none"> • Students will review the grammatical forms of English and use the forms in specific communicative contexts. • Develop learners public speaking abilities by giving them opportunities to speak in class both informally and formally.
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Program Objectives and Course Outcomes mapping

ASSESSMENT LEVELS: 0 – NOT MAPPED; 1 – MAPPED AT WEAK LEVEL; 2- MAPPED AT MODERATE LEVEL; 3- MAPPED AT SATISFACTORY LEVEL

COURSE TITLE		COURSE CODE	COURSE OUTCOMES			
English		ELS 1	<p>CO1: The course will develop the critical understanding in Prose lessons like the theme of Humiliation, self-respect, insecurity and appearance and learn vocabulary.</p> <p>CO2: Understands the fundamental concept of Good breeding and Good manners and about the author and learn vocabulary.</p> <p>CO3: Understands the basic terminology and practical elements of poetry and appreciates.</p> <p>CO4: Understands that grammar can be seen as a flexible and useful tool for meaning making.</p> <p>CO5: Learners identifies the errors in the sentences and correct them and understand the different ways in which grammar has been described.</p> <p>CO6: Produce grammatically and idiomatically correct spoken and written discourse.</p>			
	PO-1	PO-2	PO-3	PO-4	PO-5	
CO-1	2	2	0	3	0	
CO-2	3	0	0	2	1	
CO-3	2	2	2	3	0	
CO-4	3	3	1	2	2	
CO-5	2	0	2	1	2	
CO-6	0	2	1	1	1	
TOTAL ASSESSMENT	2.0	1.5	1.0	2.0	1.6	

$$W_{Pi} = \sum_j (CO_j) / 4 \quad (i = 1 \text{ to } 5 \text{ and } j = 1 \text{ to } 6) \quad (W_{Pi} \text{ is the weight factor for Programme Outcome PO1})$$

CLASS TIME TABLE

Department: ENGLISH

Class: (Sem - II)

Academic Year: 2022-23

DAY/ HOURS	I	II	III	IV	V	VI	VII
MON		English		English			English
TUES		English		English			English
WED	English	English				English	
THURS	English	English				English	
FRI	English		English		English		
SAT	English		English		English		

Subject Code	Subject	Name of the Faculty	Signature
ELS-1	ENGLISH	S. Neelima	

TEACHING PLAN

Sl. No.	Unit/ Topic	Teaching planned on Date	No. of periods planned	Course outcomes	Teaching aids used	Books referred
1	UNIT-I: With the Photographer – Stephen Leacock. Prepositions, Prefixes & Suffixes, Stress, Formal & Informal situations, Introducing oneself.	23/02/2023 to 25/03/2023	22	CO1 CO4 CO5 CO6	Black board Chalk & Duster	Text book & Grammar book
2.	UNIT-II: A Treatise on Good manners and Good breeding – Jonathan Swift. Conjunctions, Synonyms, Stress practice in phonetic transcription, Listening Comprehension.	24/03/2023 to 18/04/2023	20	CO2 CO4 CO5 CO6	Green board Chalk & Duster	Text book & Oxford Grammar book
3.	UNIT-III: Ode on Solitude – Alexander Pope. Kinds of Sentences, Plurals, Reading Comprehension, Seen and unseen.	19/04/2023to 04/05/2023	14	CO3 CO4 CO5 CO6	Green board Chalk & Duster	Text book & Wren & Martin Grammar book
4.	UNIT-IV: The Proposal – Anton Chekov.	05/05/2023 to 18/05/2023	12	CO1 CO4 CO5	Green board Chalk &	Text book

	Common mistakes, Soft skills, Presentations			CO6	Duster	
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List of Recommended Text books

S. No.	Name of the book	Author/Editor
1	English for Advancement – Orient Black Swan	V. Srinivas B. Deepa Jyothi P. Nirmala

List of Reference Text books

S. No.	Name of the book	Author/Editor
1	Cambridge English Grammar and Vocabulary for Advanced	Martin Hewings Simon Haines
2	The Mc. Graw Hill hand book of English	Mc. Graw Hill

**METHODOLOGY FOR CONTINUOUS
INTERNAL EVALUATION & EXTERNAL ASSESSMENT**

S. No.	NAME OF THE EXAM	MAX MARKS
01	Unit Test - I	10
02	Unit Test - II	10
03	Internal Examination - I	20
04	Internal Examination -II	20

RECORD OF TUTORIAL CLASSES CONDUCTED

S. No.	DATE	NAME OF THE FACULTY	TUTORIAL TOPIC
1	15/03/2023	S. Veena Raj	Root words, Prefixes & Suffixes
2	26/03/2023	S. Neelima	Conjunctions
3	30/03/2023	S. Neelima	Stress
4	01/04/2023	S. Neelima	Common errors
5	03/04/2023	S. Neelima	Formal & Informal texts
6	05/04/2023	S. Neelima	Kinds of sentences
7	07/04/2023	S. Neelima	Synonyms
8	21/04/2023	S. Neelima	Reading Comprehension

9	01/05/2023	S. Neelima	Soft skills
10	10/05/2023	S. Neelima	Seminar presentation

RECORD OF MAKEUP CLASSES CONDUCTED

Date: 22/03/2023

Faculty Name: S. Neelima

Academic Year: 2022-2023

Reason: LESS SCORE IN 1st INTERNAL

Period time: 10:00 AM to 11:00 AM

Total Duration: 1 Hour

Students Details:

S. No.	Roll No	Name of the Student
01.	086233547	T. Saikrishna
02.	086233506	B. Lahari
03.	086234107	B. Pavan kalyan
04.	086234004	E.Sathvika
05.	086234234	S. Rajeshwari

Date: 13/04/2023

Faculty Name: S. Neelima

Academic Year: 2022-2023

Reason: LESS SCORE IN 2nd INTERNAL

Period time: 10:00 AM to 11:00 AM

Total Duration: 1 Hour

Students Details:

S. No.	Roll No.	Name of the Student
01	086231826	B.Meghana
02	086231933	R.Sridhar
03	086231974	V.Kavya Sri
04	086233654	G.Sagar

05	086233659	M. Akhil
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RECORD OF STUDENTS SEMINARS

ROLL NO.	NAME OF THE STUDENT	TOPIC
086233548	V. Rishikesh	Stress
086233503	B. Saidarshan	Suffixes & Prefixes
086231910	M.Mahek	Soft skills
086231865	K.Shyam	Communication skills
086234011	T.Nikhila	Conjunctions
086234132	D.Vinay	Kinds of sentences

VAAGDEVI DEGREE & P.G. COLLEGE
Kishanpura, HANAMKONDA
SEMESTER- II UNIT TEST - I

Subject: ENGLISH

Marks: 10

- **Answer the following questions:**

- Describe the photograph and the modifications made by the Photographer. (5M)

- Annotate the lines: (5M)

“Good manners is the art of making those people easy with whom we converse”.

VAAGDEVI DEGREE & P.G. COLLEGE
Kishanpura, HANAMKONDA

SEMESTER- II

INTERNAL EXAMINATION – I

Subject: GENERAL ENGLISH

Marks: 20

Time: 1 ½ Hrs.

Name of the Student:

H. T. No:

Answer all the questions

- Write the summary of Stephen Leacock's "With the Photographer". **(5 x 1 = 5 marks)**
- Add suitable prefix / Suffix and make new words. **(1 x 5 = 5 marks)**

- Believe
- Colour
- Social
- Known
- Sphere

- **Write the synonyms of the following words. (1 x 5 = 5 marks)**

- Quite
- Excellent
- Wealthy
- Funny
- Complex

- **Correct the following sentences. (1 x 5 = 5 marks)**

- She has sent the application form a week ago.
- My cousin sister is a lawyer.
- My brother-in-laws are in London.
- She is good in English.
- I go to school by foot.

Subject: ENGLISH

Marks: 10

- **Answer the following questions:**
- Annotate the following lines: (5M)

Sound sleep by night; study and ease
Together mix'd sweet recreation
And innocence, which most does please,
With meditation
- Briefly outline the movement of the play from happy moments to tense moments to its final resolution. (5M)

VAAGDEVI DEGREE & P.G. COLLEGE
Kishanpura, HANAMKONDA

SEMESTER- II

INTERNAL EXAMINATION – II

Subject: ENGLISH

Marks: 20

Time: 1 ½ Hrs.

Name of the Student:

H. T. No:

- **Answer the following questions.** **(2 x 5 = 10 marks)**
 - Explain the theme of the poem – “Ode on Solitude”.
 - Briefly outline the movement of the one-act play, “The Proposal”.

- **Find out the kinds of the sentences.** **(1 x 5 = 5 marks)**
 - I’m so happy to be here!
 - How is your sister?
 - Open the door.
 - The children played cricket.
 - Kunal was not looking at us.

- **Fill in the blanks with appropriate conjunctions given below** **(1 x 5 = 5 marks)**
 - I’m getting good grades ____ I study every day.
 - I’d like to thank you _____ that was a lovely gift.
 - He cried _____ he had hurt his knee.
 - Is she sleeping _____ shouting?
 - _____ he speaks seldom, he says meaningful words.

TEACHING NOTES

Unit No.	Topic	Synopsis	Hours allotted	Hours taught	Extra hours taken	Reason
1.	With the Photographer (Prose)	Explores the themes of anger in security, anger, appearance, confidence, acceptance and control	04	04	-	-
	Prepositions	Prepositions are limited in number and are important because they act as vital markers to the structure of the sentence, mark special structure of a sentence.	04	04	-	-
	Prefixes & Suffixes	Students will understand the meanings of various prefixes and suffixes used in day-to-day life.	02	02	-	-
	Formal & Informal situation	Learners learn to introduce themselves in Formal and informal situations/ways	02	02	-	-
	Stress	Important component of good pronunciation and	04	04	-	-

		integral part of English language rhythm and stress in sentences are learned.				
2.	A Treatise on Good manners and Good Breeding (Essay)	Students learn the Good manners and good breeding differences, concerns and why good manners are important in the society.	04	04	-	-
	Synonyms	Builds vocabulary and learns to use in daily life.	02	02	-	-
	Conjunctions	Conjunctions are important, that connect two ideas together, learners know how to combine sentences their writing variety and quality increases making overall text more pleasant to read.	04	04	-	-
3.	Ode on Solitude (Poem)	Learners learn the characteristics of a happy man which are satisfaction, self-sufficiency and piety. Examines literary techniques and style with supporting details.	04	04	-	-
	Kinds of Sentences	Students will be able to identify the four types of sentences, declarative, interrogative, exclamatory and imperative. Classifies sentences according to their uses.	04	04	-	-
	Unseen passage Reading Comprehension	Acquire the knowledge the texts. They are, reading comprehend, evaluate, discuss ideas, events and information about the text. Apply and extend the ideas to real life situations. Eg: Jadav Payeng, Forest man of India (Unseen Passage)	04	04	-	-
4.	The Proposal	The Proposal drama displays	04	04	-	-

	(One-act play)	the greed of rich to marry their children into other rich families, with the aim of enhancing their wealth. Also gets entertained with comical characters of their behaviour – knows about society and people				
	Common mistakes	Able to correct their own mistakes. Identify mistakes and correct them. Learners could write and speak error free sentences and will be able to write and communicate well.	04	04		
	Value Orientation	Develops the Self-confidence. The greater your skill set, the greater your Self-confidence.	04	04		



VAAGDEVI DEGREE & PG COLLEGE



DIST: HANUMAKONDA, TELANGANA STATE - 506001

(Affiliated to Kakatiya University, Warangal)

(e-mail: contact@vaagdevicolleges.com)

website: www.vaagdevicolleges.com)

Criterion: I

Teaching Plans

FOOD SCIENCE

**VAAGDEVI DEGREE & PG COLLEGE DEPARTMENT OF FOOD
SCIENCE AND QUALITY CONTROL**

**COURSE FILE- TECHNOLOGY OF FERMENTED FOODS AND
BEVERAGES**

SEMESTER-V PAPER-I

SEM- -2022-2023

Name of the faculty	Dr. G Vikram
Designation	ASSISTANT PROFESSOR
Email	vikramgodishala@gmail.com
Course code	TECHNOLOGY OF FERMENTED FOODS AND BEVERAGES
Course Title	- Food Science and Quality Control
ACADEMIC YEAR / SEMESTER	2022-2023 / V SEM
NUMBER OF INSTRUCTIONAL HOURS	4T+2P

INTRODUCTION OF THE COURSE :

TECHNOLOGY OF FERMENTED FOODS AND BEVERAGES :

Food fermentation is a food processing technology that utilizes the growth and metabolic activity of microorganisms for the stabilization and transformation of food materials.

Fermentation was primarily developed for the stabilization of perishable agricultural produce. Notwithstanding, the technology has evolved beyond food preservation into a tool for creating desirable organoleptic, nutritional, and functional attributes in food

products. Fermented food products still make up a significant portion of the diet in developing countries and the Far East, whereas that is no longer the case in the developed West. Nevertheless, there is a renewed interest in fermented food products in recent times mainly driven by the purported health benefits of such products. The current trend is set to

continue into the future in light of the increasing prevalence of metabolic syndromes such as obesity, various food allergies, and intolerances (lactose intolerance, gluten intolerance, etc.); life style choices such as vegetarianism and veganism; and increasing interest by consumers in everything perceived natural and that promotes health and longevity.

The chapter presents an overview of the recent developments in the different perspectives offermented food and beverage industries. The novel innovations in starter culture, health beneficial foods and beverages, nutraceuticals, alcoholic beverages, probiotic dairy and nondairy products, and fermented meats are elucidated. Further, the technological interventions in modernization of fermenters, thermal and nonthermal food processing, genetic engineering of microbes and their applications in food industry, safe packaging technologies.

Vision:

To be a centre of excellence in Food Technology for dissemination of knowledge and skills through innovative teaching, quality research and outreach for the development of food processing sector and society.

Mission

Higher Order Thinking: To provide unique and multidisciplinary learning experience by imparting fundamental concepts, analytical and problem solving skills to produce competent and ethical Food Technologists

Continuous learning:

To endeavour for constant upgradation of technical expertise through continuous learning and to address problems in food safety and security through technological interventions.

Competency:

To integrate academic, collaborative research and consultancy initiatives with academic institutions in India and abroad, food processing industries, Research and Development organizations to explore novel techniques and innovative products to meet the industrial and societal needs.

Entrepreneurship:

To inculcate the spirit of leadership and entrepreneurial skills with ethical values to be a successful entrepreneur with social concern.

OUTCOMES(POs)

PO 1:Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems

PO 2:Problem analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics,natural sciences, and engineering sciences.

PO 3:Design/development of solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.

PO 4:Conduct investigations of complex problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions

PO 5:Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.

PO 6:The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.

PO 7:Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.

PO 8:Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

PO 9:Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

PO 10:Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

PO 11:Project management and finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.

PO 12: Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

PROGRAM SPECIFIC OUTCOMES

Program Specific Outcomes – B.Sc (Food Science and Quality Control)	Students majoring in TECHNOLOGY OF FERMENTED FOODS AND BEVERAGES will develop a comprehensive understanding and appreciation in: <ul style="list-style-type: none">❖ Importance of fermentation and different micro organisms associated with foods❖ To understand the principles of food fermentation technology❖ To study the types of starters used in food industry❖ To study the production of various fermented foods, alcoholic and non-alcoholic beverages.
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Program objectives and Course outcomes mapping

ASSESSMENT LEVELS: 0 – NOT MAPPED; 1 –MAPPED AT WEAK LEVEL; 2 – MAPPED AT MODERATE LEVEL; 3 – MAPPED AT SATISFACTORY LEVEL

COURSE TITLE	COURSE CODE	COURSE OUTCOMES
TECHNOLOGY OF FERMENTED FOODS AND BEVERAGES		<p>CO1: Fermented foods: • Introduction to fermentation-types of fermentation, benefits of fermentation. • Production of sauerkraut: Preparation of traditional pickles-fermentation of pickles and microbiology involved in preservation of pickles. • Traditional fermented foods like Idli, Dosa - Manufacturing process and microorganisms involved in fermentation, importance of nutritive value as a breakfast food</p> <p>CO2: Beverages: • Introduction and classification of beverages; Growth of beverage industry in India; Ingredients used in beverages • Water- Introduction, Sources, types of water, different methods of purification of water, BIS standards for packaged drinking water. • Additives used in beverages- colours, flavours, sweetners and preservatives.</p> <p>CO3: • Fruit based beverages – manufacturing process and preservation of Nectar, Cordial, Squash. • Carbonated beverages- Soft drinks-manufacturing process, role of ingredients used in soft drinks, leading companies in the world and their products • Low calorie beverages, sports drinks. • Tea and coffee processing- manufacturing process and different types of tea and coffee beverages.</p>

		<p>CO4: Alcoholic beverages: • Introduction to alcoholic beverages, types, role of ingredients used in alcoholic beverages. • Wine- - Ingredients used types of wine, manufacturing process of wine, fermentation and preservation of wine, uses and demerits of wine on consumption as an alcoholic beverage. • Beer-Ingredients used types of beer, manufacturing process and role of yeast in fermentation of beer, packaging of beer. •</p>
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						Distilled beverages: Rum, brandy and whisky				
	PO -1	PO -2	PO -3	PO -4	PO -5	PO -6	PO -7	PO -8	PO -9	PO -10
CO -1	3	3	3	3	3	2	3	3	3	3
CO -2	3	2	3	3	2	2	2	3	3	2
CO -3	2	2	2	3	2	3	2	3	3	3
CO -4	3	3	2	2	3	2	3	2	2	2
TOTAL ATTAINMENT	2.75	2.5	2.5	2.75	2.5	2.25	2.5	2.75	2.75	2.5

$$WPI = \sum_j (CO_j) / 4 \text{ (i=1 to 10 and j=1 to 4) (WPI is the Weight factor for Programme Outcome PO1)}$$

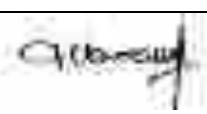
CLASS TIME-TABLE

Department : Food Science

Class: Food Science (V-SEMESTER)

Academic Year: 2022-2023

K. J. Somaiya Institute of Technology & Engineering							
Department of Food Science & Technology (V Semester)							
Sl. No.	08:00 To 09:30	09:30 To 11:00	11:00 To 12:30	12:30 To 02:00	Day	02:00 To 03:30	03:30 To 05:00
1	Food Microbiology	Food Microbiology	Food Microbiology	Food Microbiology	F	Food Microbiology	Food Microbiology
2	Food Microbiology	Food Microbiology	Food Microbiology	Food Microbiology		Food Microbiology	Food Microbiology
3	Food Microbiology	Food Microbiology	Food Microbiology	Food Microbiology		Food Microbiology	Food Microbiology
4	Food Microbiology	Food Microbiology	Food Microbiology	Food Microbiology		Food Microbiology	Food Microbiology
5	Food Microbiology	Food Microbiology	Food Microbiology	Food Microbiology		Food Microbiology	Food Microbiology
6	Food Microbiology	Food Microbiology	Food Microbiology	Food Microbiology		Food Microbiology	Food Microbiology
7	Food Microbiology	Food Microbiology	Food Microbiology	Food Microbiology		Food Microbiology	Food Microbiology

Subject Code	Subject	Name of the Faculty	Signature
DSE-5 Elective-a	TECHNOLOGY OF FERMENTED FOODS AND BEVERAGES	Dr.G.Vikram	

B.Sc FOOD SCIENCE & QUALITY CONTROL
V SEMINAR V / ON FERMENTED FOODS AND BEVERAGES
SEMINAR V / PART 2

Course Objectives

- To understand the production of food fermentation technology
- To study the types of microbe used in food industry
- To study the production of various fermented foods, drinks and fermented beverages

UNIT 4

Fermented Foods

- Introduction to fermentation types and fermentation benefits of fermentation
- Mechanism of alcoholic fermentation & associated post fermentation of wines and malolactate involved in fermentation of milk
- Traditional fermented foods like Idli, Dosa, - Microbiology, process and microorganisms involved in fermentation, importance of starter culture as a starter food

UNIT 5

Beverages

- Beverages and classification of beverages, Growth of beverage industry in India, Manufacture and utilization
- Water: Definition, Sources, types of water, different methods of purification of water, Microbiology for ecological drinking water
- Addition of natural preservatives, natural flavors, natural color preservatives

UNIT 6

- Low food beverages – manufacture of protein and nonprotein of Protein, Coconut, Soya
- Carbonated beverages: soft drinks manufacturing process, loss of ingredients used in soft drinks, health consequences in the world and their control
- Low calorie beverages, sports drinks
- Tea and coffee processing – manufacturing process and different types of tea and coffee beverages

UNIT-05

Artificial Neurons

- Introduction to artificial neurons: inputs, role of weights and activation functions
- Weir – (illustrates) used types of input combinations (presence of input, discontinuity and association of input, non and absence of input) as a combination of an artificial neuron
- Non-linearities used (type of bias), combination points and role of gain in combination of bias, combination of bias
- Different neurons: linear, binary and others

Learning Methods

- Training a network to understand the importance of information and different ways organizations work with data

REFERENCES AND BIBLIOGRAPHY

- Gonzalez, R., Thomas, M., and Dickinson, J. (2013). *Hand Book of Perceptron Models and Neurons*. 1st edition. Springer Science+Media Publishing House
- Fitch, T.D. and Gorman, G.L. (2005). *Handbook of Learning*. 2nd edition. San Diego: CRC Publications
- Hertz, J. (1991). *Commercial Wave Modeling - Processing and Control*. New York: Wiley Publications
- Hertz, J.G. and Thum, C.G. (1991). *Artificial Microbiology*. 1st edition. New York: Van Nostrand Reinhold
- Hertz, J.G. and Thum, C.G. (1991). *Neurons, Technology, Chemistry and Microbiology*. Boston: Chapman & Hall
- Wiedner, J. and Philip, J. (1991). *Neurons, Technology and Non-Linearities*. New York: Van Nostrand Reinhold



PRACTICAL
TECHNOLOGY OF FERMENTED FOODS AND BEVERAGES

1. Preparation of yogurt
2. Preparation of buttermilk
3. Preparation of a hot (sour) fermented beverage
4. Preparation of pickles
5. Preparation of wine
6. Preparation of beer/wine
7. Preparation of fruit beverages
8. Preparation of carbonated soft drinks
9. Preparation of non carbonated and non alcoholic beverages
10. Food fermentation laboratory



TEACHING PLAN:

Sl No	Unit / Topic	Teaching Planned on Date	No of Periods Planned	Course Outcomes	Teaching aids used	Books Referred
1	<p>Fermented foods:</p> <ul style="list-style-type: none"> • Introduction to fermentation- types of fermentation, benefits of fermentation. • Production of sauerkraut: Preparation of traditional pickles-fermentation of pickles and microbiology involved in preservation of pickles. • Traditional fermented foods like idli, Dosa - Manufacturing process and microorganisms involved in fermentation, importance of nutritive value as a breakfast food 	<p>18/08/22</p> <p>TO</p> <p>06/09/2022</p>	17	CO1	Chalk, duster, board.	<p>Hand Book of Fermented foods and Beverages, 1st edition.</p> <p>Mumbai: Himalaya Books Publishing House</p>
2	<p>Beverages:</p> <ul style="list-style-type: none"> • Introduction and classification of beverages; Growth of beverage industry in India; Ingredients used in beverages • Water- Introduction, Sources, types of water, different methods of purification of water, BIS standards for packaged drinking water. • Additives used in beverages- colours, flavours, sweeteners and preservatives. 	<p>07/09/22</p> <p>To</p> <p>26/09/22</p>	18	CO2	Chalk, duster, board.	<p>Hand Book of Fermented foods and Beverages, 1st edition.</p> <p>Mumbai: Himalaya Books Publishing House</p>

3	<ul style="list-style-type: none"> • Fruit based beverages – manufacturing process and preservation of Nectar, Cordial, Squash. • Carbonated beverages- Soft drinks- manufacturing process, role of ingredients used in soft drinks, leading companies in the world and their products • Low calorie beverages, sports drinks. • Tea and coffee processing- manufacturing process and different types of tea and coffee beverages. 	5/10/22 TO 1/11/2022	17	CO3	Chalk, duster, board.	Handbook of Brewing. 2nd edition. New Delhi: CRC Publication
4	<p>Alcoholic beverages:</p> <ul style="list-style-type: none"> • Introduction to alcoholic beverages, types, role of ingredients used in alcoholic beverages. • Wine- - Ingredients used types of wine, manufacturing process of wine, fermentation and preservation of wine, uses and demerits of wine on consumption as an alcoholic beverage. • Beer- Ingredients used types of beer, manufacturing process and role of yeast in fermentation of beer, packaging of beer. 	4/11/22 TO 21/11/2022	16	CO4	Chalk, duster, board.	Handbook of Brewing. 2nd edition. New Delhi: CRC Publication

List of Recommended Text Books

SN O	Name of the Book	Author
1	Hand Book of Fermented foods and Beverages, 1st edition. Mumbai: Himalaya Books Publishing House.	Ravinder, A. Srinivas Maloo and Dr. Emmanuel, S.J. 2013.
2	Handbook of Brewing. 2nd edition. New Delhi: CRC Publication.	Priest, F.G. and Stewart, G.G. 2006.

List of Reference Text Books

SN O	Name of the Book	Author
1	Commercial Wine Making - Processing and Controls. New Delhi: AVI Publication	Richard, P. 1981
2	Industrial Microbiology. 6 th edition. New Delhi: Tata McGraw Hill.	Prescott, S.C. and Dunn, C.G. 1959.
2	Beverages: Technology, Chemistry and Microbiology. Scotland: Chapman & Hall	Varnam, A.H.and Sutherland, J.P. 1994.

List of URL's to be Referred

SNO	Name of the URL
01	https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6723656/
02	http://ecoursesonline.iasri.res.in/mod/page/view.php?id=5168

METHODOLOGY FOR CONTINUOUS INTERNAL EVALUATION & EXTERNAL ASSESSMENT:

SNO	NAME OF THE EXAM	MAX MARKS
01	Unit test	20
02	Internal examinations	20
03	Pre final examinations	80

RECORD OF TUTORIAL CLASSES CONDUCTED

SNO	DATE	NAME OF FACULTY	TUTORIAL TOPIC
1	02/09/2022	Dr.G.Vikram	TYPES OF FERMENTATION
2	23/09/2022	Dr.G.Vikram	Benefits of Fermentation
3	21/10/2022	Dr.G.Vikram	Preparation of traditional pickels & fermentation of pickels
4	20/09/2022	Dr.G.Vikram	Introduction and classification of beverages
5	12/09/2022	Neeraja	Water- Introduction, Sources, types of water
6	14/09/2022	Neeraja	Fruit based beverages manufacturing process
7	15/11/2022	Dr.G.Vikram	Wine- Ingredients used types of wine
8	16/11/2022	Dr.G.Vikram	Distilled beverages: Rum, brandy and whisky

RECORD OF MAKEUP CLASSES CONDUCTED

Date: 11/09/2022 Faculty Name: Dr.G.Vikram

Academic Year: 2022-2023

Reason: LESS SCORE IN FIRST INTERNAL

Period: From: 3:00 PM To: 4:00 PM

Total Duration: 1 HOUR

Students Details:

SI No.	Roll No	Name of the Student
1	086213483	I.Amulya
2	086213205	K.Deepthi

Date: 16/11/2022

Faculty Name: Neeraja

Academic Year: 2022 - 2023

Reason: LESS SCORE IN SECOND

INTERNAL

Period: From: 3:00 PM To: 4:00 PM

Total Duration: 1

Students Details:

SI No.	Roll No	Name of the Student
1	086213208	P.Likitha
2	086213815	R.Sai Dhanush

RECORD OF STUDENT SEMINARS

ROLL. NO	NAME OF THE STUDENT	TOPIC
086213203	G.Veenisha	TYPES OF FERMENTATION
086213207	OP.SHIVA PAVANI	Classification of beverages

Teaching Notes

Unit no	Topics	Synopsis	Hours allotted	Hours taught	Extra hours taken	Reason
UNIT -I	<ul style="list-style-type: none"> • Fermented foods: Introduction to fermentation-types of fermentation, benefits of fermentation. • Traditional fermented foods like Idli, Dosa - Manufacturing process and microorganisms involved in fermentation, importance of nutritive value as a breakfast food 	Production of sauerkraut: Preparation of traditional pickles-fermentation of pickles and microbiology involved in preservation of pickles.	17	17	-	-
UNIT -II	<p>Beverages: • Introduction and classification of beverages; Growth of beverage industry in India; Ingredients used in beverages</p> <ul style="list-style-type: none"> • Additives used in beverages- colours, flavours, sweeteners and preservatives. 	Water- Introduction, Sources, types of water, different methods of purification of water, BIS standards for packaged drinking water.	18	18	-	-

UNIT -III	<ul style="list-style-type: none"> • Fruit based beverages – manufacturing process and preservation of Nectar, Cordial, Squash. • Low calorie beverages, sports drinks. • Tea and coffee processing- manufacturing process and different types of tea and coffee beverages. 	Carbonated beverages- Soft drinks-manufacturing process, role of ingredients used in soft drinks, leading companies in the world and their products	17	17	–	–
Unit IV	<p>Alcoholic beverages:</p> <ul style="list-style-type: none"> • Introduction to alcoholic beverages, types, role of ingredients used in alcoholic beverages. • Wine- Ingredients used types of wine, manufacturing process of wine, fermentation and preservation of wine, uses and demerits of wine on consumption as an alcoholic beverage. 	<p>fermentation of beer, packaging of beer.</p> <ul style="list-style-type: none"> • Beer-Ingredients used types of beer, manufacturing process and role of yeast in 	16	16	-	-

**VAAGDEVI DEGREE & PG COLLEGE DEPARTMENT OF FOOD SCIENCE
AND QUALITY CONTROL**

COURSE FILE- TECHNOLOGY OF FERMENTED FOODS AND BEVERAGES

SEM- -2022-2023

**Programme Outcomes, Programme Specific Outcomes and Course Outcomes
For PG Programmes**

Programme Outcomes:

- I To establish itself as the leader in human resource development for supporting the food technology sector.
- I To provide knowledge and skills for better preservation techniques, processing and value addition to agricultural products.
- I To promote research and development for food product and process and guarantee sanitation and safety of processed food items.
- I To provide well equipped infrastructure and research facilities to students for carrying out research smoothly in allied fields of food technology.
- I To develop good professional relationship with the leading institutions at national and international level.
- I To develop the spirit of competition among students and help them to cultivate enthusiasm, self- confidence, problem solving capacity, self respect and to develop communication skills.
- I To conduct placement drives for top Food and allied Industries, Institutions or Government Organization through campus selection.
- I To develop awareness among the students about environmental issues and work towards sustainable developments.

Programme Specific Outcomes:

- I To impart knowledge in various aspects of Food Technology through Theory and Practical knowledge.
- I To impart the knowledge about various compounds such as protein, carbohydrates, lipids amino acids, minerals, vitamins etc associated with the chemical compositions of food, their structures and functions.
- The students can gain knowledge about some very essential topic of nutrition and its

metabolism balance inside the body.

- To make the students familiar with the technologies of food processing and preservation of plant and animal foods, cereals, pulses, oilseeds, fruits vegetables, spices, meat, fish, poultry, sea food, milk and dairy products.
- To gain concepts of food safety and quality managements, national and international food laws and regulations as well as importance of food engineering and packaging in food industry.
- To gain knowledge about advanced technologies adapted in various food industries by physically visiting different food industries.
- To develop broader understandings on various aspects of management of waste coming from food Industries as well as from homes starting from its generation to processing with options for reuse and recycle, transport, and disposal practices so as to contribute towards sustainable development.
- To development students' understanding and communication skills through various assignments which will enable them to develop skills in writing and effective's interpersonal skills. Presentations in different topics enhances their confidence, ability to express themselves & presentation skills
- Give students assistance in preparing for competitive exams e.g. NET, GATE, etc

Course Outcomes

SEMESTER—I		
Course Code	Course Name	Course Outcomes
FOOD-CT 101	Food Chemistry and Nutrition	<ul style="list-style-type: none">• To understand the chemistry of foods - composition of food, role of each component and their interaction.• To understand the functional aspects of food components and to study their role in food and nutrition.• To understand the general chemical structures of the major components of foods (water, proteins, carbohydrates, and lipids).• To understand the pigments and flavours and their role of food industries.• To understand the role of anti-oxidants, allergens, toxins and anti-nutritional factors in foods.• To understand sources and functions of different nutrients, diseases related to their deficiencies, their transport, digestion and metabolism
FOOD-CT 102	Principles of Food Engineering	<ul style="list-style-type: none">• To understand the principle of Unit operation• To acquaint with fundamentals of food engineering and its process• To understand the basics of designing of food plant and systems• To understand basics of designing of food plant and storage system

		<ul style="list-style-type: none"> To be familiarized with basic principles of refrigeration, freezing, fluid flow, heat and mass transfer, steam, psychrometrics etc. from food industrial point of view To apply the knowledge gained for solving numerical and others problems
FOOD-CT 103	Food Microbiology	<ul style="list-style-type: none"> To know the important genera of microorganisms associated with food and their characteristics. To understand the role of microbes in fermentation, spoilage and food borne diseases To understand the important genera of microorganisms associated with food and their characteristics, their growth pattern and parameters. To comprehend the role of the microorganisms in spoilage of foods and methods of their control. To gain knowledge about the beneficial role of microorganisms and different types of fermented foods. To identify the role of microorganisms in food borne diseases and control measures To understand the laboratory techniques to detect, quantify, and identify microorganisms in foods
FOOD-CP 104	Food Chemistry and Nutrition	<ul style="list-style-type: none"> To develop knowledge and skills for estimation of important compositions of food such as protein, carbohydrates, fats etc. To develop knowledge and skills for estimation of essential components such as moisture, acidity, ash etc To develop skills for estimations of minerals in food.
FOOD-CP 105	Principles of Food Engineering	<ul style="list-style-type: none"> To develop skills for determination of viscosity of various fluids To develop skill for determining various thermal properties such as thermal conductivity, thermal diffusivity, calorific value and specific heat. To develop skill for designing various pumping systems. To gain knowledge about various types of freezers. To identify their prospective area of work like marketing, finance, logistics, etc. and also to give students a platform to enhance their interpersonal skills during industrial visits.
FOOD-CP 106	Food Microbiology	<ul style="list-style-type: none">
FOOD-CT 107A	Computer applications in food industry	<ul style="list-style-type: none"> Basic knowledge of computer applications and their implementation in various fields of Food Industries.
FOOD-CT 107B	Advanced Microbial Technology	<ul style="list-style-type: none">
FOOD-CT 107C	Nutraceuticals, Health foods and Specialty Foods	<ul style="list-style-type: none"> Gain knowledge on sources of Nutraceuticals, Health foods and Specialty Foods Acquire skills to categorize nutraceuticals.

		<ul style="list-style-type: none"> • Gain awareness on nutraceuticals of microbial origin. • Obtain knowledge of healthy foods and nutraceuticals in health and diseases • Understand the regulatory aspects of healthy foods and nutraceuticals
FOOD-CT 107D	Food Toxicology	<ul style="list-style-type: none"> • To develop knowledge of toxicants that are associated with both plant and animal foodstuffs that occur as natural constituents and contaminants • To introduce students to methods for evaluating different levels of toxicity in foodstuffs. • To gain knowledge about natural constituents that are toxicants and natural contaminants that act as toxicants • To acquire knowledge about various types of toxicants, chemistry, their mode of action, significance, food sources, and possible detoxification methods.

Name of the faculty	Dr. G Vikram
Designation	ASSISTANT PROFESSOR
Email	vikramgodishala@gmail.com
Course code	TECHNOLOGY OF FERMENTED FOODS AND BEVERAGES
Course Title	- Food Science and Quality Control
ACADEMIC YEAR / SEMESTER	2022-2023 / V SEM
NUMBER OF INSTRUCTIONAL HOURS	4T+2P

INTRODUCTION OF THE COURSE :

TECHNOLOGY OF FERMENTED FOODS AND BEVERAGES :

Food fermentation is a food processing technology that utilizes the growth and metabolic activity of microorganisms for the stabilization and transformation of food materials.

Fermentation was primarily developed for the stabilization of perishable agricultural produce. Notwithstanding, the technology has evolved beyond food preservation into a tool for creating desirable organoleptic, nutritional, and functional attributes in food

products. Fermented food products still make up a significant portion of the diet in developing countries and the Far East, whereas that is no longer the case in the developed West. Nevertheless, there is a renewed interest in fermented food products in recent times mainly driven by the purported health benefits of such products. The current trend is set to continue into the future in light of the increasing prevalence of metabolic syndromes such as obesity, various food allergies, and intolerances (lactose intolerance, gluten intolerance, etc.); life style choices such as vegetarianism and veganism; and increasing interest by consumers in everything perceived natural and that promotes health and longevity.

The chapter presents an overview of the recent developments in the different perspectives offered by fermented food and beverage industries. The novel innovations in starter culture, health beneficial foods and beverages, nutraceuticals, alcoholic beverages, probiotic dairy and nondairy products, and fermented meats are elucidated. Further, the technological interventions in modernization of fermenters, thermal and nonthermal food processing, genetic engineering of microbes and their applications in food industry, safe packaging technologies.

Vision:

To be a centre of excellence in Food Technology for dissemination of knowledge and skills through innovative teaching, quality research and outreach for the development of food processing sector and society.

Mission

Higher Order Thinking: To provide unique and multidisciplinary learning experience by imparting fundamental concepts, analytical and problem solving skills to produce competent and ethical Food Technologists

Continuous learning:

To endeavour for constant upgradation of technical expertise through continuous learning and to address problems in food safety and security through technological interventions.

Competency:

To integrate academic, collaborative research and consultancy initiatives with academic institutions in India and abroad, food processing industries, Research and Development organizations to explore novel techniques and innovative products to meet the industrial and societal needs.

Entrepreneurship:

To inculcate the spirit of leadership and entrepreneurial skills with ethical values to be a successful entrepreneur with social concern.

OUTCOMES(POs)

PO 1:Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems

PO 2:Problem analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics,natural sciences, and engineering sciences.

PO 3:Design/development of solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.

PO 4:Conduct investigations of complex problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions

PO 5:Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.

PO 6:The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.

PO 7:Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.

PO 8:Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

PO 9:Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

PO 10:Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

PO 11:Project management and finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.

PO 12: Life-long learning: Recognize the need for, and have the preparation and ability o
engage inindependent and life-long learning in the broadest context of technological change.

PROGRAM SPECIFIC OUTCOMES

Program Specific Outcomes – M.Sc (Food Science and Quality Control)	Students majoring in TECHNOLOGY OF FERMENTED FOODS AND BEVERAGES will develop a comprehensive understanding and appreciation in: <ul style="list-style-type: none">❖ Importance of fermentation and different micro organisms associated with foods❖ To understand the principles of food fermentation technology❖ To study the types of starters used in food industry❖ To study the production of various fermented foods, alcoholic and non-alcoholic beverages.
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Program objectives and Course outcomes mapping

ASSESSMENT LEVELS: 0 – NOT MAPPED; 1 –MAPPED AT WEAK LEVEL; 2 – MAPPED AT MODERATE LEVEL; 3 – MAPPED AT SATISFACTORY LEVEL

COURSE TITLE	COURSE CODE	COURSE OUTCOMES
TECHNOLOGY OF FERMENTED FOODS AND BEVERAGES		<p>CO1: Fermented foods: • Introduction to fermentation-types of fermentation, benefits of fermentation. • Production of sauerkraut: Preparation of traditional pickles-fermentation of pickles and microbiology involved in preservation of pickles. • Traditional fermented foods like Idli, Dosa - Manufacturing process and microorganisms involved in fermentation, importance of nutritive value as a breakfast food</p> <p>CO2: Beverages: • Introduction and classification of beverages; Growth of beverage industry in India; Ingredients used in beverages • Water- Introduction, Sources, types of water, different methods of purification of water, BIS standards for packaged drinking water. • Additives used in beverages- colours, flavours, sweetners and preservatives.</p> <p>CO3: • Fruit based beverages – manufacturing process and preservation of Nectar, Cordial, Squash. • Carbonated beverages- Soft drinks-manufacturing process, role of ingredients used in soft drinks, leading companies in the world and their products • Low calorie beverages, sports drinks. • Tea and coffee processing- manufacturing process and different types of tea and coffee beverages.</p>

		<p>CO4: Alcoholic beverages: • Introduction to alcoholic beverages, types, role of ingredients used in alcoholic beverages. • Wine- - Ingredients used types of wine, manufacturing process of wine, fermentation and preservation of wine, uses and demerits of wine on consumption as an alcoholic beverage. • Beer-Ingredients used types of beer, manufacturing process and role of yeast in fermentation of beer, packaging of beer. •</p>
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						Distilled beverages: Rum, brandy and whisky				
	PO -1	PO -2	PO -3	PO -4	PO -5	PO -6	PO -7	PO -8	PO -9	PO -10
CO -1	3	3	3	3	3	2	3	3	3	3
CO -2	3	2	3	3	2	2	2	3	3	2
CO -3	2	2	2	3	2	3	2	3	3	3
CO -4	3	3	2	2	3	2	3	2	2	2
TOTAL ATTAINMENT	2.75	2.5	2.5	2.75	2.5	2.25	2.5	2.75	2.75	2.5

$$WPI = \sum_j (CO_j) / 4 \text{ (i=1 to 10 and j=1 to 4) (WPI is the Weight factor for Programme Outcome PO1)}$$

CLASS TIME-TABLE

Department : Food Science

Class:MSc Food Science (V-SEMESTER)

Academic Year: 2022-2023

VAAGDEVI DEGREE & P.G COLLEGE

Kishanpura,Hanamkonda

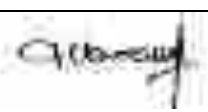
MSc Food Science Ist Semester

Lecture Hall: 204

DAY	9:00 -9:50	9:50 - 10:40	10:40 - 11:30	11:30 - 12:20	12.40- 1.30	1.30-2.20	2.20-3.10
MON	FERMENTED FOODS AND BEVERAGES TECHNOLOGY (Dr.G.V)	FOOD MICROBIOLOGY G.S	FOOD CHEMISTRY AND NUTRITION B.K	TECHNOLOGY OF CEREALS,LEGUMES AND OIL SEEDS SS	LUNCH	FERMENTED FOODS AND BEVERAGES TECHNOLOGY LAB	
TUE	FERMENTED FOODS AND BEVERAGES TECHNOLOGY (Dr.G.V)	FOOD MICROBIOLOGY G.S	FOOD CHEMISTRY AND NUTRITION B.K	TECHNOLOGY OF CEREALS,LEGUMES AND OIL SEEDS SS		FERMENTED FOODS AND BEVERAGES TECHNOLOGY LAB	
WED	FERMENTED FOODS AND BEVERAGES TECHNOLOGY (Dr.G.V)	FOOD MICROBIOLOGY G.S	FOOD CHEMISTRY AND NUTRITION B.K	TECHNOLOGY OF CEREALS,LEGUMES AND OIL SEEDS SS		FOOD CHEMISTRY AND NUTRITION LAB	
THU	FERMENTED FOODS AND BEVERAGES TECHNOLOGY (Dr.G.V)	FOOD MICROBIOLOGY G.S	FOOD CHEMISTRY AND NUTRITION PP	TECHNOLOGY OF CEREALS,LEGUMES AND OIL SEEDS ML		FOOD CHEMISTRY AND NUTRITION LAB	
FRI	FERMENTED FOODS AND BEVERAGES TECHNOLOGY (Dr.G.V)	FOOD MICROBIOLOGY G.S	FOOD CHEMISTRY AND NUTRITION PP	TECHNOLOGY OF CEREALS,LEGUMES AND OIL SEEDS ML		FOOD MICROBIOLOGY LAB	
SAT	FERMENTED FOODS AND BEVERAGES TECHNOLOGY (Dr.G.V)	FOOD MICROBIOLOGY G.S	FOOD CHEMISTRY AND NUTRITION PP	TECHNOLOGY OF CEREALS,LEGUMES AND OIL SEEDS ML		FOOD MICROBIOLOGY LAB	

Dr.G.V ; Dr.G.Vikram PP; P.Pradeep Kumar B.K; B.Kiramayi ,

SS ; S.Sushmitha G.S ; G.Soujanya, ML : Laxmi Poojitha

Subject Code	Subject	Name of the Faculty	Signature
CPT FST 114	FERMENTED FOODS AND BEVERAGES TECHNOLOGY	Dr.G.Vikram	

Approved syllabus
For
M.Sc Food Science & Technology course
(2022-23 under CBCS)



Department of
Food Science & Technology (ZOOLOGY)
KAKATIYA UNIVERSITY
WARANGAL-506 009 TELANGANA
STATE

Education University, Dept. of Food Science & Technology

MCB Food Science & Technology- 2022-23

Joint Choice Based Credit System

MCB-400-401-Introduction

Course Code	Topic	Weeks/Practicals		Theory			Credits	Duration of the Course
		Theory	Practical	Internal	Examination	Total		
MCB-401-101	Introduction to food microbiology	5	—	10	50	60	5	5-100
MCB-401-102	Food preservation	4	—	10	50	60	4	5-100
MCB-401-103	Food safety and food security (FAO, WHO, ISO, HACCP)	5	—	10	50	60	5	5-100
MCB-401-104	Food quality and food safety management system (FSMS)	5	—	10	50	60	5	5-100
MCB-401-105	Food processing and food preservation	—	5	10	50	70	5	5-100
MCB-401-106	Food packaging and food safety	—	5	10	50	70	5	5-100
MCB-401-107	Food safety and food security (FAO, WHO, ISO, HACCP)	—	5	10	50	70	5	5-100
Total		19	10	120	600	820	33	

MCB-401-101-Introduction

Course Code	Topic	Weeks/Practicals		Theory			Credits	Duration of the Course
		Theory	Practical	Internal	Examination	Total		
MCB-401-101	Introduction to food microbiology	5	—	10	50	60	5	5-100
MCB-401-102	Food preservation	4	—	10	50	60	4	5-100
MCB-401-103	Food safety and food security (FAO, WHO, ISO, HACCP)	5	—	10	50	60	5	5-100
MCB-401-104	Food quality and food safety management system (FSMS)	4	—	10	50	60	4	5-100
MCB-401-105	Food processing and food preservation	—	5	10	50	70	5	5-100
MCB-401-106	Food packaging and food safety	—	5	10	50	70	5	5-100
MCB-401-107	Food safety and food security (FAO, WHO, ISO, HACCP)	—	5	10	50	70	5	5-100
Total		19	10	120	600	820	33	

PAPER IV
FERMENTED FOODS & BEVERAGES TECHNOLOGY

Credits : 4
Course Code : FST2214

Semester: I
No. of Lecture Hours: 4 hrs/ week

Course Objectives:

- To understand the production of food fermentation technology.
- To study the types of starters used in Food industry.
- To study the production of various fermented food.

UNIT I

Fermented Foods

- Fermentation: Definition, types of fermentation.
- Fermented foods – fermented, non-fermented products, dairy products.
- Oriental fermented foods – soy sauce, miso, doenjang, kimchi, fermented, dairy.
- Traditional fermented foods – idli, dosa, etc.,
- Fermented beer and soft drinks.

UNIT II

Introduction to Beverages & Water

- Beverages – Classification, Types, Storage and preservation.
- Status of beverage industry in India.
- Packaged drinking water: Definition, types,
 - o manufacturing processes of tap and packaged water.
 - o Quality evaluation of tap and packaged water.
 - o methods of water treatment.
 - o High quality standards like bottled water, mineral water, natural spring water, filtered water, acidulated water.

UNIT III

Fruit & Vegetable Beverages

- Fruit Beverages – Types, Definition.
- Manufacturing process and technology.
- Some or Specialty beverages (fruit tea, tea, coffee, dairy based beverages).

Specialty Beverages

- Specialty Beverages – Technology of
 - o Bitter and sweetened beverages.
 - o Low-calorie and dry beverages.
 - o Smooth and sports drinks.
- Role of various ingredients and additives.
- Carbonating of soft drinks.
- Storage and quality characteristics.

Department of NESc
Food Science & Technology

Dr. Jyoti Chavhan
Dr. Anurag Chavhan
Dr. Anurag Chavhan
Dr. Anurag Chavhan

End IV

Fermented Beverages

- Fermented beverages & chemical aspects
 - o Types, special characteristics
 - o Quality evaluation
- Effect of acid in fermenting of brewing process
- Regulations on food safety and sanitation

COURSE OUTCOME

- Student will be able to understand the importance of fermentation and effects on the organisms involved with brews.

RECOMMENDED READING:

- Gengenbach, J. (1994). *Brewing and Fermentation*, Vol. 2002. *Great Book of Fermented Foods and Beverages*, 1st edition, Stephan-Henrich Books Publishing House.
- Price, P.G. and Brown, G.D. (2004). *Handbook of Brewing*, 2nd edition. New York, CRC Publications.
- Richard, R. (1992). *Commercial Wine Making - Processing and Control*. New Delhi: AXI Publications.
- Prescott, H.C. and Dunn, C.E. (1998). *Industrial Microbiology*, 4th edition. New Delhi: Tata McMillan Hill.
- Varma, A.N. and Subramani, L.B. (1991). *Beverages: Technology, Chemistry and Microbiology*. Singapore: Chapman & Hall.
- Woodworth, J.G. and Phillips, R.T. (1974). *Beverages: Carbonated and Non Carbonated*. New Delhi: AXI Publications.



Course : **Food**

Section : **I**

Course Code : **FTT101**

No. of Practicals (hours) : **10 hours**

Course Objectives

- a. To identify products from their origin using their appearance
- a. To identify products and related information of them
1. Identify and describe various common spices and herbs
2. Identify typical varieties of the cereal grains
3. Preparation of vegetable soup/puree
4. Preparation of potato-based soups/sauces
5. Preparation of meat and Herbs soups/sauces
6. Preparation of vegetable soup/sauces
7. Preparation of vegetable soup/sauces
8. Preparation of soups and soups
9. Preparation of soups/sauces
10. Preparation of soups/sauces
11. Preparation of soups/sauces
12. Preparation of soups/sauces

Dr. Amir Amir
 Associate Professor
 Department of Food Science & Technology
 Kabul University
 Kabul, Afghanistan

Dr. Amir Amir
 Associate Professor
 Department of Food Science & Technology
 Kabul University
 Kabul, Afghanistan

TEACHING PLAN:

Sl No	Unit / Topic	Teaching Planned on Date	No of Periods Planned	Course Outcomes	Teaching aids used	Books Referred
1	<p>Fermented foods:</p> <ul style="list-style-type: none"> • Introduction to fermentation- types of fermentation, benefits of fermentation. • Production of sauerkraut: Preparation of traditional pickles-fermentation of pickles and microbiology involved in preservation of pickles. • Traditional fermented foods like Idli, Dosa - Manufacturing process and microorganisms involved in fermentation, importance of nutritive value as a breakfast food 	<p>18/08/22</p> <p>TO</p> <p>06/09/2022</p>	17	CO1	Chalk, duster, board.	<p>Hand Book of Fermented foods and Beverages, 1st edition.</p> <p>Mumbai: Himalaya Books Publishing House</p>
2	<p>Beverages:</p> <ul style="list-style-type: none"> • Introduction and classification of beverages; Growth of beverage industry in India; Ingredients used in beverages • Water- Introduction, Sources, types of water, different methods of purification of water, BIS standards for packaged drinking water. • Additives used in beverages- colours, flavours, sweeteners and preservatives. 	<p>07/09/22</p> <p>To</p> <p>26/09/22</p>	18	CO2	Chalk, duster, board.	<p>Hand Book of Fermented foods and Beverages, 1st edition.</p> <p>Mumbai: Himalaya Books Publishing House</p>

3	<ul style="list-style-type: none"> • Fruit based beverages – manufacturing process and preservation of Nectar, Cordial, Squash. • Carbonated beverages- Soft drinks- manufacturing process, role of ingredients used in soft drinks, leading companies in the world and their products • Low calorie beverages, sports drinks. • Tea and coffee processing- manufacturing process and different types of tea and coffee beverages. 	5/10/22 TO 1/11/2022	17	CO3	Chalk, duster, board.	Handbook of Brewing. 2nd edition. New Delhi: CRC Publication
4	<p>Alcoholic beverages:</p> <ul style="list-style-type: none"> • Introduction to alcoholic beverages, types, role of ingredients used in alcoholic beverages. • Wine- - Ingredients used types of wine, manufacturing process of wine, fermentation and preservation of wine, uses and demerits of wine on consumption as an alcoholic beverage. • Beer- Ingredients used types of beer, manufacturing process and role of yeast in fermentation of beer, packaging of beer. 	4/11/22 TO 21/11/2022	16	CO4	Chalk, duster, board.	Handbook of Brewing. 2nd edition. New Delhi: CRC Publication

List of Recommended Text Books

SN O	Name of the Book	Author
1	Hand Book of Fermented foods and Beverages, 1st edition. Mumbai: Himalaya Books Publishing House.	Ravinder, A. Srinivas Maloo and Dr. Emmanuel, S.J. 2013.
2	Handbook of Brewing. 2nd edition. New Delhi: CRC Publication.	Priest, F.G. and Stewart, G.G. 2006.

List of Reference Text Books

SN O	Name of the Book	Author
1	Commercial Wine Making - Processing and Controls. New Delhi: AVI Publication	Richard, P. 1981
2	Industrial Microbiology. 6 th edition. New Delhi: Tata McGraw Hill.	Prescott, S.C. and Dunn, C.G. 1959.
2	Beverages: Technology, Chemistry and Microbiology. Scotland: Chapman & Hall	Varnam, A.H.and Sutherland, J.P. 1994.

List of URL's to be Referred

SNO	Name of the URL
01	https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6723656/
02	http://ecoursesonline.iasri.res.in/mod/page/view.php?id=5168

METHODOLOGY FOR CONTINUOUS INTERNAL EVALUATION & EXTERNAL ASSESSMENT:

SNO	NAME OF THE EXAM	MAX MARKS
01	Unit test	20
02	Internal examinations	20
03	Pre final examinations	80

RECORD OF TUTORIAL CLASSES CONDUCTED

SNO	DATE	NAME OF FACULTY	TUTORIAL TOPIC
1	02/09/2022	Dr.G.Vikram	FERMENTATION
2	23/09/2022	Dr.G.Vikram	Types of Fermentation
3	21/10/2022	Dr.G.Vikram	Industrial Pickles fermentation
4	20/09/2022	Dr.G.Vikram	Classification of beverages
5	12/09/2022	Neeraja	Introduction to Water- Sources, types of water
6	14/09/2022	Neeraja	manufacturing process of Fruit based beverages
7	15/11/2022	Dr.G.Vikram	Vitification and Wine making
8	16/11/2022	Dr.G.Vikram	Industrial production of Distilled beverages: Rum, brandy and whisky

RECORD OF MAKEUP CLASSES CONDUCTED

Date: 18/11/2022 Faculty Name: Dr.G.Vikram

Academic Year: 2022-2023

Reason: LESS SCORE IN FIRST INTERNAL

Period: From: 3:00 PM To: 4:00 PM

Total Duration: 1 HOUR

Students Details:

Sl No.	Roll No	Name of the Student
1	23117-S-3016	T.Spandana
2	23117-S-3023	K.Srinu.

Date: 19/12/2022

Faculty Name: Neeraja

Academic Year: 2022 - 2023

Reason: LESS SCORE IN SECOND INTERNAL

Period: From: 3:00 PM To: 4:00 PM

Total Duration: 1

Students Details:

Sl No.	Roll No	Name of the Student
1	23117-S-3004	R.Divya Sri
2	23117-S-3016	T.Spandana

RECORD OF STUDENT SEMINARS

ROLL. NO	NAME OF THE STUDENT	TOPIC
23117-S-3001	B.HIMA VARSHA	FERMENTATION AND TYPES OF FERMENTATION
23117-S-3015		Industrial production of Distilled beverages

Teaching Notes

Unit no	Topics	Synopsis	Hours allotted	Hours taught	Extra hours taken	Reason
UNIT -I	<ul style="list-style-type: none"> • Fermented foods: Introduction to fermentation-types of fermentation, benefits of fermentation. • Traditional fermented foods like Idli, Dosa - Manufacturing process and microorganisms involved in fermentation, importance of nutritive value as a breakfast food 	Production of sauerkraut: Preparation of traditional pickles-fermentation of pickles and microbiology involved in preservation of pickles.	17	17	-	-
UNIT -II	Beverages: <ul style="list-style-type: none"> • Introduction and classification of beverages; Growth of beverage industry in India; Ingredients used in beverages • Additives used in beverages- colours, flavours, sweeteners and preservatives. 	Water- Introduction, Sources, types of water, different methods of purification of water, BIS standards for packaged drinking water.	18	18	-	-

UNIT -III	<ul style="list-style-type: none"> • Fruit based beverages – manufacturing process and preservation of Nectar, Cordial, Squash. • Low calorie beverages, sports drinks. • Tea and coffee processing- manufacturing process and different types of tea and coffee beverages. 	Carbonated beverages- Soft drinks-manufacturing process, role of ingredients used in soft drinks, leading companies in the world and their products	17	17	–	–
Unit IV	Alcoholic beverages: <ul style="list-style-type: none"> • Introduction to alcoholic beverages, types, role of ingredients used in alcoholic beverages. • Wine- Ingredients used types of wine, manufacturing process of wine, fermentation and preservation of wine, uses and demerits of wine on consumption as an alcoholic beverage. 	fermentation of beer, packaging of beer. <ul style="list-style-type: none"> • Beer-Ingredients used types of beer, manufacturing process and role of yeast in 	16	16	-	-



VAAGDEVI DEGREE & PG COLLEGE

DIST: HANUMAKONDA, TELANGANA STATE - 506001

(Affiliated to Kakatiya University, Warangal)

(e-mail: contact@vaagdevicolleges.com)

website: www.vaagdevicolleges.com)

Criterion: I

Teaching Plans

M.Com

VAAGDEVI DEGREE & PG COLLEGE
DEPARTMENT OF COMMERCE AND BUSINESS MANAGEMENT
COURSE FILE—M.COM I SEM
MANAGERIAL ECONOMICS -2022-2023

Name of the faculty	RAJU VEMULA
Designation	ASST. PROFESSOR
Email	rajuvemula02@gmail.com
Course code	102
Course Title	MANAGERIAL ECONOMICS
ACADEMIC YEAR / SEMESTER	2022-2023-I-SEM
NUMBER OF INSTRUCTIONAL HOURS	72

VAAGDEVI DEGREE & P.G. COLLEGE

KISHANPURA, HANAMKONDA.

DEPARTMENT OF COMMERCE AND BUSINESS MANAGEMENT

INTRODUCTION:

Managerial economics is a discipline which deals with the application of economic theory to business management. It deals with the use of economic concepts and principles of business decision making. Formerly it was known as “Business Economics” but the term has now been discarded in favor of Managerial Economics.

Managerial Economics may be defined as the study of economic theories, logic and methodology which are generally applied to seek solution to the practical problems of business. Managerial Economics is thus constituted of that part of economic knowledge or economic theories which is used as a tool of analyzing business problems for rational business decisions. Managerial Economics is often called as Business Economics or Economics for Firms.

Vision

To be a vibrant and innovative centre for Commerce & Management education, to equip the students with knowledge and skills in their chosen stream, inculcate values, identify hidden talents, provide the opportunities for students to realize their full potential and thus shape them into future business leaders, entrepreneurs and to pursue a real holistic development above all good human beings.

Mission

1) Empowering the students with all the knowledge and guidance that they need to become worthy professionals of Commerce & Management stream.

2) Developing the overall personalities of the students in a holistic manner by combining skills and values.

3) Learning through Doing

4) To inspire and empower the students to become innovative leaders, contribute to the success of the organization and betterment of community.

5) To impart effective, supportive, accessible and affordable knowledge skills and education in commerce and management to empower our students to respond to the challenges in the corporate world in a academic environment that capitalizes on state – of – the art - technology.

Program Outcomes (PO):

PO1:	Improved an attitude for working effectively and efficiently in a global business environment and economic development in the world.
PO2:	Integrate knowledge, skill, and attitude that will sustain an environment of learning, development and creativity among the students.
PO3:	Acquired knowledge and skill on global financial strategy, International financing decisions, International Investment and development .
PO4:	Apply the knowledge of accounting fundamentals, and computer specialization to the solution of complex accounting and management problems.
PO5:	The ability of accounting data, financial data, and other information to solve complex and unstructured business problems.
PO6:	Combine the practical knowledge of marketing, accounting, banking, insurance, taxation, stock exchanges, and international trades with relating to computer technology using digitalization.
PO7:	Develop knowledge of sophisticated financial accounting topics such as business combinations, governmental accounting, partnership accounting, and other advanced financial accounting.
PO8:	Develop the ability to evaluate financial results through an examination of statement analysis.

Program Specific Outcomes:

PSO1: To apply the knowledge, concepts, tools necessary to understand the challenges and issues of growing international and global context.

PSO2: To acquire practical skills to work as a tax consultant, audit assistant, and other financial supporting services

PSO3: To analysis for quantitative, qualitative, cognitive, and analytical skills to identify, analyze, design, and create business opportunities in a globally dynamic environment.

PSO4: To apply the different financial tools and techniques in solving the problems related to the field of their career.

Program objectives and Course out comes mapping

ASSESSMENT LEVELS: 0 – NOT MAPPED; 1 –MAPPED AT WEAK LEVEL; 2 – MAPPED AT MODERATE LEVEL; 3 – MAPPED AT SATISFACTORY LEVEL

COURSE TITLE		COURSE CODE					COURSE OUTCOMES		
MANAGERIAL ECONOMICS		102					CO1:-In this chapter they can learn about Managerial Economics, Nature, Scope and is importance.		
							CO2:-In this they learn about Demand and Supply Analysis, Concepts, Determinants of Demand, Law of Demand, Elasticity of Demand, Price Elasticity of Demands, Income Elasticity of Demand, Cross Elasticity of Demand.		
							CO3:-To understand the Production and Cost functions , Cobb Douglas Production function, Isoquants , Isocosts – Production Equilibrium		
							CO4:-To understand. Structure of Competition , Price and Output decisions in Perfect Competition , Monopoly Monopolistic Competition		
							CO5:-It focuses completely on Concept of Industry, Plant, Firm , Industry , Factors influencing size of firm ,Optimum firm – Location and size decisions.		
	PO -1	PO -2	PO -3	PO -4	PO -5	PO -6	PO -7	PO -8	
CO -1	2	2	2	0	0	0	3	0	
CO -2	3	2	3	2	0	3	3	0	
CO -3	2	2	2	0	2	0	3	0	
CO -4	3	2	3	3	1	1	3	0	

CO-5	3	2	3	2	0	1	3	0
TOTAL ATTAINMENT	2.6	2.0	2.6	1.0	0.6	1.0	3.0	0.0

$WPI = \sum_j (CO_j) / 4$ (i=1 to 10 and j=1 to 4) (WPI is the Weight factor for Programme Outcome PO1)

CLASS TIME-TABLE

DEPARTMENT: COMMERCE AND BUSINESS MANAGEMENT

CLASS: M.COM I SEM

ACADEMIC YEAR: 2021-22

DAY / HOURS	1	2	3	4	5	6
MON	BEC					
TUE	BEC					
WED	BEC					
THURS		BEC				
FRI		BEC				
SAT						

Subject Code	Subject	Name of the Faculty	Signature
102	MANAGERIAL ECONOMICS S	Raju Vemula	

SYLLABUS

102 - MANAGERIAL ECONOMICS

(Common to M.Com, M Com –Financial Accounting and M Com –Banking & Insurance - under CBCS)

Unit-I: Introduction to Managerial Economics – Nature – Scope – Applications of Micro Economics and Macro Economics – Need and Significance – Theory of firm - Business objectives of Organization.

Unit-II: Demand and Supply Analysis – Concepts – Determinants of Demand – Law of Demand- Elasticity of Demand – Price Elasticity of Demand- Income Elasticity of Demand-Cross Elasticity of Demand- Supply function – Law of Supply – Exceptions to the Law of Supply – Demand forecasting – Objectives and methods.

Unit-III: Production and Cost functions – Cobb Douglas Production function – Isoquants – Isocosts – Production Equilibrium – Returns to Scale – Cost function – Behaviour of costs in Short run and Long run – Economies and Diseconomies of Scale

Unit-IV: Structure of Competition – Price and Output decisions in Perfect Competition – Monopoly – Monopolistic Competition – Oligopoly – Barriers to Entry – Pricing – Dual Pricing – Discriminatory Price – Pricing methods and Strategies.

Unit-V: Concept of Industry – Plant – Firm - Industry – Factors influencing size of firm – Optimum firm – Location and size decisions – Measurement of Efficiency – Productivity – Profit- Policy – Planning- Controlling and Forecasting

Suggested Readings 1. Mote V.L., Paul Samuel, Gupta G.S., **Managerial Economics – Concepts and Cases**, Tata McGraw Hill Publishing Company Limited, 2013.

2. Varshney R.L., Maheshwari K.L., **Managerial Economics**, Sultan Chand and Sons, 2014.

References 1. Mehta P.L., **Managerial Economics**, Sultan Chand & Sons (P) Limited, 2007.

2. Joel Dean, **Managerial Economics**, Prentice-Hall of India Pvt. Limited, 2010.

3. Mithani, D.M., **Managerial Economics**, Himalaya Publishing House Pvt. Limited, 2010.

4. Robinson E.A.G., **Structure of Competitive Industry**, NISBET & Co. Limited, 1958.

5. Justin Paul, Leena Kaushal and Sebastian VJ., **Managerial Economics**, Cengage Learning India, 2012.

6. Christopher R.Thomas and Charles Maurice.S., **Managerial Economics**, McGraw Hill Education (India) Private Limited, 2014. ***

TEACHING PLAN:

S I No	Unit / Topic	Teaching Planned on Date	No of Periods Planned	Course Outcomes	Teaching aids used	Books Referred
1	Unit-I: Introduction to Managerial Economics – Nature – Scope – Applications of Micro Economics and Macro Economics – Need and Significance – Theory of firm - Business objectives of Organization.	28/12/22 TO 21/1/2022	17	CO1 , CO3,	BLACK BOARD, CHALK AND DUSTER,P PT	Mote V.L., Paul Samuel, Gupta G.S., Managerial Economics
2	Unit-II: Demand and Supply Analysis – Concepts – Determinants of Demand – Law of Demand- Elasticity of Demand – Price Elasticity of Demand- Income Elasticity of Demand-Cross Elasticity of Demand- Supply function – Law of Supply – Exceptions to the Law of Supply – Demand forecasting – Objectives and methods.	22/1/2023 To 11/2/2023	17	CO1, CO2, CO3	BLACK BOARD, CHALK AND DUSTER.	Varshney R.L., Maheshwari K.L., Managerial Economics,
3	Unit-III: Production and Cost functions – Cobb Douglas Production function – Isoquants – Isocosts – Production Equilibrium – Returns to Scale – Cost function – Behaviour of costs in Short run and Long run – Economies and Diseconomies of Scale	12/2/2023 To 2/2/2023	12	CO1, CO2, CO4	BLACK BOARD, CHALK AND DUSTER, PPT	Mithani, D.M., Managerial Economics

4	Unit-IV: Structure of Competition – Price and Output decisions in Perfect Competition – Monopoly – Monopolistic Competition – Oligopoly – Barriers to Entry – Pricing – Dual Pricing – Discriminatory Price – Pricing methods and Strategies.	3/3/2023 To 20/3/2023	12	CO1, CO2, CO5	BLACK BOARD, CHALK AND DUSTER	Joel Dean, Managerial Economics
5	Unit-V: Concept of Industry – Plant – Firm - Industry – Factors influencing size of firm – Optimum firm – Location and size decisions – Measurement of Efficiency – Productivity – Profit- Policy – Planning- Controlling and Forecasting	21/3/2023 To 12/4/2023	14		CHALK &PPT & GD	Justin Paul, Leena Kaushal and Sebastian VJ., Managerial EconomicsS

List of Recommended Text Books

SNO	Name of the Book	Author
1	Managerial Economics	P.L Mehatha
2	Managerial Economics	Dr. M .Mithani
3	Managerial Economics	Justin Paul, Leena Kaushal and Sebastian VJ.,

List of Reference Text Books

SNO	Name of the Book	Author
1	Managerial Economics,	Mote V.L., Paul Samuel, Gupta G.S.,
2	Managerial Economics,	Varshney R.L., Maheshwari K.L.,

List of URL's to be Referred

SNO	Name of the URL
02	https://www.himpub.com
03	Www.Tata McGraw Hill Publishing.com

METHODOLOGY FOR CONTINUOUS INTERNAL

EVALUATION & EXTERNAL ASSESSMENT:

SNO	NAME OF THE EXAM	MAX MARKS
01	Unit test	10
02	Unit test	10
03	Internal examinations	20

RECORD OF TUTORIAL CLASSES CONDUCTED

SNO	DATE	NAME OF THE FACULTY	TUTORIAL TOPIC
1	5/1/2023	Raju vemula	Nature of Business Economics
2	10/1/2023	Raju vemula	Scope of Business Economics
3	18/1/2023	Raju vemula	Difference between micro and macro economies
4	20/1/2023	Raju vemula	Need and Significance
5	25/1/2023	Raju vemula	Theory of firm
6	8/2/2023	Raju vemula	Demand and Supply Analysis
7	12/2/2023	Raju vemula	Law of Demand Determinants of Demand
8	10/3/2023	Raju vemula	Elasticity of Demand

9	12/3/2023	Raju vemula	Types of Elasticity of demand
10	6/4/2023	Raju vemula	Demand forecasting, Objectives and methods.
11	8/4/2023	Raju vemula	Cobb Douglas Production function
12	11/4/2023	Raju vemula	Returns to Scale and its types

RECORD OF MAKEUP CLASSES CONDUCTED

Date: 25/02/2022

Academic Year: 2020 - 2021

Period: From: 3:10 PM To: 4:00 PM

Faculty Name: Raju Vemula

Reason: LESS SCORE IN FIRST INTERNAL

Total Duration: 1 HOUR

Students Details:

S. No	Roll No	Name of the Student
1	23117-C-0001	K .MANASA
2	23117-C-0002	A.VIKRAM
3	23117-C-0003	M. VINOOTHA
4	23117-C-0004	S. MAMATHA
5	23117-C-0005	P. RENUKA
6	23117-C-0006	ASRA MEHWAIGH

Date: 18/04/2023

Faculty Name: Raju Vemula

Academic Year: 2022 - 2023

Reason: LESS SCORE IN SECOND INTERNAL

Period: From: 3:00 PM To: 4:00 PM

Total Duration: 1 HOUR

Students Details:

S. No.	Roll .No	Name of the Student
1	23117-C-0001	K .MANASA
2	23117-C-0002	B.VIKRAM
3	23117-C-0003	M. VINOOTHA
4	23117-C-0004	S. MAMATHA
5	23117-C-0005	P. RENUKA
6	23117-C-0006	ASRA MEHWAIGH

RECORD OF STUDENT SEMINARS

ROLL. NO	NAME OF THE STUDENT	TOPIC
23117-C-0001	K .MANASA	Difference between micro and macro economies
23117-C-0002	B.VIKRAM	Elasticity of demand
23117-C-0003	M. VINOOTHA	Difference between market and individual demand
23117-C-0004	S. MAMATHA	E3conomies of scale
23117-C-0005	P. RENUKA	Diseconomies of scale
23117-C-0006	ASRA MEHWAIGH	Law of Demand Determinants of Demand

VAAGDEVI DEGREE & PG COLLEGE, HANAMKONDA

**M.COM-I-YR-I-SEM
MANAGERIAL ECONOMICS
UNIT TEST-I**

Answer the following questions

Each question carries 5 marks

2x5 = 10 marks

1. Define Business economics?
2. Explain importance of business economics?

VAAGDEVI DEGREE & PG COLLEGE, HANAMKONDA

**M.COM I YR-I SEM
MANAGERIAL ECONOMICS
INTERNAL EXAMINATION-I**

Answer all the Questions

MAX MARKS: 20

Time: 90 min

1. Define Business supply.
2. Define direct cost.
3. Determinates of demand.
4. Define types of demand.

5. Cross elasticity of demand.
6. Importance of business Economics.
7. Define implicit cost.
8. Define income elasticity of demand.
9. Characteristics of business economics.
10. Define elasticity of demand.

VAAGDEVI DEGREE & PG COLLEGE, HANAMKONDA

M.COM-I-YR-I-SEM

**BUSINESS ECONOMICS
UNIT TEST-II**

Answer the following questions

Each question carries 5 marks

2x5 = 10 marks

1. Define demand and its factors .
2. Define income elasticity of demand & explain its types.

VAAGDEVI DEGREE& PG COLLEGE, HANAMKONDA

M.COM I YR-I SEM

**ORGANIZATION THEORY AND BEHAVIOR
INTERNAL EXAMINATION-II**

Answer all the Questions

MAX MARKS: 20

Time: 90 min

1. Define demand.
2. Define types Elasticity of demand
3. Write factors influencing demand
4. Define individual demand schedule.
5. Define market demand schedule
6. Define internal economies of scale
7. Methods of survey.
8. Diminishing of law of demand.
9. Cross elasticity of demand.
10. Define diseconomies of scale of scale

STUDENT PROGRESSION AND MARKS STATEMENT

S.No	H.T No	STUDENT NAME	Unit Test -I	Internal -I	Unit Test -II	Internal- II
1	23117-C-0001	K .MANASA	10	20	10	20
2	23117-C-0002	A. VIKRAM	9	20	8	20
3	23117-C-0003	M. VINOOTHA	10	18	10	20
4	23117-C-0004	S. MAMATHA	10	19	10	18
5	23117-C-0005	P. RENUKA	10	20	10	20
6	23117-C-0006	ASRA MEHWAIGH	9	20	10	19

Teaching Notes

Unit no	Topics	Synopsis	Hours allotted	Hours taught	Extra hours taken	Reason
UNIT-I	Unit-I: Introduction to Managerial Economics	Introduction to Managerial Economics – Nature – Scope – Applications of Micro Economics and Macro Economics – Need and Significance – Theory of firm - Business objectives of Organization.	15	15		

UNIT-II	Unit-II: Demand and Supply Analysis	Demand and Supply Analysis – Concepts – Determinants of Demand – Law of Demand- Elasticity of Demand – Price Elasticity of Demand- Income Elasticity of Demand- Cross Elasticity of Demand- Supply function – Law of Supply – Exceptions to the Law of Supply – Demand forecasting – Objectives and methods.	11	11		
UNIT-III	Unit-III: Production and Cost functions	Production and Cost functions – Cobb Douglas Production function – Isoquants – Isocosts – Production Equilibrium – Returns to Scale – Cost function – Behaviour of costs in Short run and Long run – Economies and Diseconomies of Scale	15	15		

UNIT-IV	Unit-IV: Structure of Competition	<ul style="list-style-type: none"> – Price and Output decisions in Perfect Competition – Monopoly – Monopolistic Competition – Oligopoly – Barriers to Entry – Pricing – Dual Pricing – Discriminatory Price – Pricing methods and Strategies. 	11	11		
Unit V	Unit-V: Concept of Industry –	<ul style="list-style-type: none"> Concept of Industry – a Plant – Firm - Industry – Factors influencing size of firm – Optimum firm – Location and size decisions – Measurement of Efficiency – Productivity – Profit- Policy – Planning- Controlling and Forecasting 	11	11		



VAAGDEVI DEGREE & PG COLLEGE

DIST: HANUMAKONDA, TELANGANA STATE - 506001

(Affiliated to Kakatiya University, Warangal)

(e-mail: contact@vaagdevicolleges.com)

website: www.vaagdevicolleges.com)

Criterion: I

Teaching Plans

Mathematics



VAAGDEVI DEGREE & PG COLLEGE

DEPARTMENT OF MATHEMATICS

COURSE FILE –M.Sc.(IV SEM)-2022-2023

Paper –III

(INTEGRAL EQUATIONS AND TRANSFORMS)

Name of the faculty	G.MAHENDAR REDDY
Designation	Assistant Professor
Email	Gaddam.rajkumar100@gmail.com
Course Code	M4CP3
Course Title	INTEGRAL EQUATIONS AND TRANSFORMS
Academic Year / Semester	2022-23 / IV- Sem
Number of Instructional Hours	72

INTRODUCTION TO THE COURSE:

In [mathematics](#), integral equations are equations in which an unknown [function](#) appears under an [integral](#) sign. There is a close connection between [differential](#) and integral equations, and some problems may be formulated either way. See, for example, [Green's function](#), [Fredholm theory](#), and [Maxwell's equations](#). An integral transform is useful if it allows one to turn a complicated problem into a simpler one. The transforms we will be studying in this part of the course are mostly useful to solve differential and, to a lesser extent, integral equations. The idea behind a transform is very simple.

Vision

To achieve high standards of excellence in generating knowledge in mathematics. Department is committed in providing an education that combines rigorous academics with joy of discovery. To provide an environment where students can learn become competent users of mathematics, understand the use of mathematics in other disciplines.

Mission

- The mission of the mathematics is to provide excellent training in scientific data collection, data management, methods and procedures of data analysis.
- To provide excellent knowledge of MATHEMATICAL sciences for suitable career and groom them for national recognition.
- To encourage independent thinking and application-oriented collaborative research in the areas of contemporary interest to contribute to the development of the region and the nation.
- To provide effective teaching & learning environment for training graduates with values, entrepreneurial attitude and globally employable skills.
- To encourage participation in games & sports, co-curricular and extra-curricular activities resulting in overall personality development.

PROGRAM OUTCOMES

Program Outcomes (PO's): Program outcomes describe what students are expected to know or be able to do by the time of Post graduation. On completion of M.Sc. Mathematics program student will be able to:

- PO1: Critical Thinking: Inculcate critical thinking to carry out scientific investigation objectively. Formulate coherent arguments; critically evaluate practices, policies and theories by following scientific approach to knowledge development. Critically evaluate ideas, evidence and experiences from an open-minded and reasoned perspective.
- PO2: Knowledge Skill: Equip the student with skills to analyze problems, formulate an hypothesis, evaluate and validate results, and draw reasonable conclusions thereof. Capacity to extrapolate from what one has learned and apply their competencies to solve different kinds of non-familiar problems, rather than replicate curriculum content knowledge.
- PO3: Scientific Communication Skills: Imbibe effective scientific and / or technical communication in both oral and writing. Ability to show the importance of the subject as precursor to various scientific developments since the beginning of the civilization.
- PO4: Ethics: Continue to acquire relevant knowledge and skills appropriate to professional activities and demonstrate highest standards of ethical issues in the subject concerned. Ability to identify unethical behaviour such as fabrication, falsification or misrepresentation of data and adoptive objective, unbiased and truthful actions in all aspects.
- PO5: Enlightened Citizenship: Create awareness to become an enlightened citizen with commitment to deliver one's responsibilities within the scope of bestowed rights and privileges.
- PO 6: Analytical Reasoning: Ability to evaluate the reliability and relevance of evidence; identify logical flaws and holes in the arguments of others; analyze and synthesis data from a variety of sources; draw valid conclusions and support them with evidence and examples, and addressing opposing viewpoints.
- PO 7: Multicultural Competence: Development of a set of competencies in order to enhance and promote the growth of multicultural sensitivity within universities. Integrating multicultural awareness such as race, gender, physical ability, age, income and other social variables and by creating an environment that is, "welcoming for all students".
- PO 8: Lifelong Learning: Ability to think, acquire knowledge and skills through logical reasoning and to inculcate the habit of self-learning throughout life, through self- paced and self- directed learning aimed at personal development, and adapting to changing academic demands of work place through knowledge/ skill development/ reskilling.
- PO9: Leadership Qualities: Capability for mapping out the tasks of a team or an

organization, and setting direction, formulating an inspiring vision, building a team who can help achieve the vision, motivating and inspiring team members to engage with that vision, and using management skills to guide people to the right destination in a smooth and efficient way.

- PO10: Research Skills: Prepare students for pursuing research or careers in industry in concerned subject and allied fields. Capability to use appropriate software to solve various problems and to apply programming concepts of C++ and Mathematical/ Mat lab to various scientific investigations, problem solving and interpretation.

PROGRAM SPECIFIC OUTCOMES

<p>Program Specific Outcomes – M.Sc. (Mathematics)</p>	<ul style="list-style-type: none">• Create a hypothesis and appreciate how it relates to broader theories.• Evaluate hypotheses, theories, methods and evidence within their proper contexts.• Solve complex problems by critical understanding, analysis and synthesis.• Demonstrate engagement with current research and developments in the subject.• Critically interpret data, write reports and apply the basics of rules of evidence.• Select, interpret and critically evaluate information from a range of sources that include books, scientific reports, journals, case studies and the internet.• Develop proficiency in the analysis of complex physical problems and the use of mathematical or other appropriate techniques to solve them.• Provide a systematic understanding of the concepts and theories of mathematics and their application in the real world – to an advanced level, and enhance career prospects in a huge array of fields.• Criticize mathematical arguments developed by themselves and others.• Communicate effectively by oral, written, computing and graphical means.• Recognize the need to engage in lifelong learning through continuing education and research.
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Program objectives and Course outcomes mapping

ASSESSMENT LEVELS: 0 – NOT MAPPED; 1 –MAPPED AT WEAK LEVEL; 2 – MAPPED AT MODERATE LEVEL;3 – MAPPED AT SATISFACTORY LEVEL

COURSE TITLE	COURSE CODE	COURSE OUTCOMES
INTEGRAL EQUATIONS AND TRANSFORMS	M4CP3	CO1: To understand and analyze Integral equations-Differentiation of a Function under an Integral sign-soln of non-homogeneous Volterra's Integral equations. CO2: successive substitution and successive approximation. Fredholm first theorem and problems-Symmetric kernel Real characteristic constants. CO3 : Laplace transforms-Fourier Integral formula-Inversion formulae. CO4: Fourier Transforms-Fourier integral formulae. .

$$W_{Pi} = \sum_j (CO_j) / 4 \quad (i=1 \text{ to } 10 \text{ and } j=1 \text{ to } 4) \quad (W_{Pi} \text{ is the Weight factor for Programme Outcome PO}_i)$$

	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7	PO-8	PO-9	PO-10
CO -1	2	3	2	1	1	1	3	1	1	2
CO -2	2	2	3	2	2	2	3	2	2	2
CO -3	3	3	3	2	2	2	2	1	1	2
CO -4	3	2	3	3	2	2	3	2	2	2
TOTAL ATTAINMENT	2.5	2.5	2.75	2	1.75	1.75	2.75	1.5	1.5	2.0

CLASS TIME-TABLE

Department : Mathematics

Class:M.Sc.(Mathematics)- IV SEM

Academic Year: 2022-23

DAY / HOURS	1 (9.00AM- 10.00 AM)	2 (10.00AM- 11.00 AM)	3 (11.00 AM- 12.00 PM)	4 (12.00 PM- 1.00 PM)
MON				IEIT
TUE				IEIT
WED				IEIT
THU	IEIT			
FRI	SEMINAR			
SAT				

SubjectCode	Subject	Name of the Faculty	Signature
M4CP1	INTEGRAL EQUATIONS AND TRANSFORMS	G.MAHENDAR REDDY	

KAKATIYA UNIVERSITY
M.A. /M.Sc. MATHEMATICS Syllabus (w.e.f.2016-18)

Semester –IV

Paper – III

Paper Code: M4CP3

INTEGRAL EQUATIONS AND TRANSFORMS

UNIT I

Integral Equation – Differentiation of a Function under an Integral Sign – Relation Between Differential and integral Equations – Solution of Non-homogeneous Volterra's Integral Equations by the method of Successive Substitution and Successive Approximation of some Resolvent Kernels – Volterra Integral Equation of First Kind.
(Sec 1.1 to 2.4 of Text Book 1)

UNIT II

Solution of the Fredholm Integral Equation by the Method of Successive Substitution and successive approximation – Reciprocal Functions - Volterra's Solution of Fredholm's Equation – Statement of Fredholm first Theorem- Statement of Unique Solution of the Nonhomogeneous Fredholm Integral Equation – Integral equations with degenerate kernels - Symmetric Kernel – Eigen value of a Symmetric kernel Real Characteristic Constants – Greens Functions – Construction of Green's Functions.
(Sec 2.5 to 2.9, 3.1, 3.2, 3.14, 4.1, 4.4, 5.6, 5.7, 5.8 of Text Book 1)

UNIT III

Laplace Transforms – Existence of Laplace Transform – Properties of Laplace Transform- The inverse Laplace transform and properties – Convolution Theorem- Solution of ordinary differential Equation by Laplace Transforms- Solution of Ordinary Differential Equation by Laplace Transforms- Solution of Partial Differential Equations by Laplace Transforms - Application of Laplace Transforms to Integral Equations
(Chapter 1, Chapter 2: Sec 2.1 to 2.15, Chapter 3: Sec 3.1 to 3.4, Chapter 4 of Text Book 2)

UNIT IV

Fourier Transforms – Fourier Integral Formula – Inversion Theorem for Complex Fourier Transform -Fourier Sine and Cosine Transform - Inversion of Formulae – Convolution Theorem- Parseval's identity -Finite Fourier Sine and Cosine Transforms - Inversion Formulae -Operational Properties – Convolution – Application of Fourier Transforms to Initial and Boundary value problems.
(Chapter 6: Sec 6.1 to 6.15, 6.17, 6.18, 6.19, Chapter 7: Sec 7.1 to 7.4, 7.6, 7.7, 7.9, Chapter 8 of Text Book 2)

Text Book:

1. Integral Equations by Shanty Swarup
2. Integral Transforms by A. R Vasistha and R.K. Gupta

Reference Books:

1. Advance Calculus for Applications by Francis B. Hilder Brand Prentice Hall of India

The Scheme of 1st Internal Assessment of each paper of Semester-I to IV is as follows:

KAKATIYA UNIVERSITY
M.A./M.Sc (Mathematics) (w.e.f 2019-20)
1st Internal Assessment Examination
Semester-I/II/III/IV
Papers I/ II/ III/ IV/ V

Time: 1 ½ Hours

Max Marks: 20

Answer all the questions in serial order.
All questions carry equal marks.

1. A question from unit-I
2. A question from unit-I
3. A question from unit-I
4. A question from unit-I
5. A question from unit-I
6. A question from unit-II
7. A question from unit-II
8. A question from unit-II
9. A question from unit-II
10. A question from unit-II

The Scheme of 2nd Internal Assessment of each paper of Semester-I to IV is as follows:

KAKATIYA UNIVERSITY
MA./MSc (Mathematics) (w.a.f 2019-20)
2nd Internal Assessment Examination
Semester-I/II/III/IV
Papers I/ II/ III/ IV/ V

Time: 1 ½ Hours

Max Marks: 20

Answer all the questions in serial order.
All questions carry equal marks.

1. A question from unit-III
2. A question from unit-III
3. A question from unit-III
4. A question from unit-III
5. A question from unit-III
6. A question from unit-IV
7. A question from unit-IV
8. A question from unit-IV
9. A question from unit-IV
10. A question from unit-IV

The scheme of the examination of each paper of Semester I to IV is as follows.

KAKATIYA UNIVERSITY

MLA/M.Sc (Mathematics)

(w.e.f 2019-2020)

Semester-I/II/III/IV

Papers I/ II/ III/ IV/ V

Time: 3 Hours

Max.Marks: 00/00*

*for papers having practical examination

Answer all Questions.
All Questions carry equal Marks.

1. a) A short question From Unit-I.
b) A short question From Unit-II.
c) A short question From Unit-III.
d) A short question From Unit-IV.
2. Answer any two of the following.
a) From Unit-I.
b) From Unit-I.
c) From Unit-I.
d) From Unit-I.
3. Answer any two of the following.
a) From Unit-II.
b) From Unit-II.
c) From Unit-II.
d) From Unit-II.
4. Answer any two of the following.
a) From Unit-III.
b) From Unit-III.
c) From Unit-III.
d) From Unit-III.
4. Answer any two of the following.
a) From Unit-IV.
b) From Unit-IV.
c) From Unit-IV.
d) From Unit-IV.

TEACHING PLAN

S.No.	Unit / Topic	Teaching Planned on Date	No of Periods Planned	Course Outcomes	Teaching aids used	Books Referred
1	Integral Equation – Differentiation of a Function under an Integral Sign – Relation Between Differential and integral Equations – Solution of Non-homogeneous Volterra's Integral Equations by the method of Successive Substitution and Successive Approximation of some Resolvent Kernels – Volterra Integral Equation of First Kind.	24/02/2023 To 18/03/2023	19	Co1	Black Board, Chalk piece and Duster	Integral Equations by Shanty Swarup
2	Solution of the Fredholm Integral Equation by the Method of Successive Substitution and successive approximation – Reciprocal Functions - Volterra's Solution of Fredholm's Equation – Statement of Fred first Theorem- Statement of Unique Solution of the Nonhomogeneous Fredholm Integral Equation – Integral equations with degenerate kernels - Symmetric Kernel – Eigen value of a Symmetric kernel Real Characteristic Constants – Greens Functions – Construction of Green's Functions.	20/03/2023 to 21/04/2023	19	Co2	Black Board, Chalk piece and Duster	Integral Equations by Shanty Swarup
3	Laplace Transforms – Existence of Laplace Transform – Properties of Laplace Transform- The inverse Laplace transform and properties – Convolution Theorem- Solution of ordinary differential Equation by Laplace Transforms- Solution of Ordinary Differential Equation by Laplace Transforms- Solution of	24/04/2023 to 17/05/2023	17	Co3	Black Board, Chalk piece and Duster	Integral Transforms by A. R Vasistha and R.K. Gupta

	Partial Differential Equations by Laplace Transforms - Application of Laplace Transforms to Integral Equations					
4	Fourier Transforms – Fourier Integral Formula – Inversion Theorem for Complex Fourier Transform -Fourier Sine and Cosine Transform - Inversion of Formulae – Convolution Theorem-Parseval's identity Finite Fourier Sine and Cosine Transforms - Inversion Formulae -Operational Properties – Convolution – Application of Fourier Transforms to Initial and Boundary value problems.	19/05/2023 to 17/06/2023	14	Co4	Black Board, Chalk piece and Duster	Integral Transforms by A. R Vasistha and R.K. Gupta

List of Recommended Text Books

S.No.	Name of the Book	Author
1	Integral Equations	Shanty Swarup
2	Integral Transforms	A. R Vasistha and R.K. Gupta

List of Reference Text Books

S.No.	Name of the Book	Author
1	Advance Calculus for Applications	Francis B. Hilder Brand Prentic Hall of India

List of URL's to be Referred

S.NO.	Name of the URL
01	http://link.springer.com
02	http://huppa.com
03	http://www.maths.ed.ac.uk
04	http://webeducation.com

METHODOLOGY FOR CONTINUOUS INTERNAL EVALUATION & EXTERNAL ASSESSMENT:

S. No.	NAME OF THE EXAM	MAX MARKS
01	Internal-I	20
02	Internal-II	20

RECORD OF TUTORIAL CLASSES CONDUCTED

S.No.	DATE	NAME OF FACULTY	TUTORIAL TOPIC
1	27/02/2023	G.MAHENDAR REDDY	Integral equation-Differentiation of a function under an integral sign
2	06/03/2023	G.MAHENDAR REDDY	Relation between Differential and Integral equations
3	17/03/2023	G.MAHENDAR REDDY	Volterra's integral equations by method of successive substitution and successive approximation
4	21/03/2023	G.MAHENDAR REDDY	Volterra's integral equation of first kind
5	29/03/2023	G.MAHENDAR REDDY	Soln of Fredholm integral equation by method of successive substitution and successive approximation
6	15/04/2023	G.MAHENDAR REDDY	Reciprocal Functions
7	24/04/2023	G.MAHENDAR REDDY	Fredholm first theorem
8	02/05/2023	G.MAHENDAR REDDY	Laplace Transforms-Existence of Laplace Transform
9	15/05/2023	G.MAHENDAR REDDY	Convolution theorem
10	29/05/2023	G.MAHENDAR REDDY	Application of Laplace Transforms to Integral equations
11	05/06/2023	G.MAHENDAR REDDY	Fourier Transforms-Fourier Integral formula
12	10/06/2023	G.MAHENDAR REDDY	Inversion Formulae-operational properties-Convolution

RECORD OF MAKEUP CLASSES CONDUCTED

Date:13/04/2023

Faculty Name : G.MAHENDAR REDDY

Academic Year: 2022- 2023

Reason: LESS SCORE IN FIRST INTERNAL

Period: From: 3:00 PM To 4:00 PM

Total Duration: 1 Hour

Students Details:

S. No.	Roll No	Name of the Student
1	22117S0807	K SINDHUJA
2	22117S0808	P NIHARIKA
3	22117S0809	G SOUMYA
4	22117S0810	B RENUKA

Date:12/06/2023

Faculty Name :G.MAHENDAR REDDY

Academic Year: 2022 - 2023

Reason: LESS SCORE IN SECOND INTERNAL

Period: From:10:00 AM To:11:00 AM

Total Duration: 1 Hour

Students Details:

S.No.	Roll No	Name of the Student
1.	22117S0807	K SINDHUJA
2.	22117S0808	P NIHARIKA
3.	22117S0809	G SOUMYA
4.	22117S0810	B RENUKA

RECORD OF STUDENT SEMINARS

Roll No.	Name of the Student	Topic
22117S0801	MD.SIMRAN	Integral equation-Differentiation of a function under an integral sign
22117S0802	MAHVEN KOUSAR	Volterra's integral equations by method of successive substitution and successive approximation

22117S0803	SHAFIA SAMEEN	Relation between Differential and Integral equations
22117S0804	K LAXMI	Volterra's integral equation of first kind
22117S0805	R KEERTHANA	Relation between Differential and Integral equations
22117S0806	TASBIYA SALEEM	Laplace Transforms-Existence of Laplace Transform
22117S0807	K SINDHUJA	Application of Laplace Transforms to Integral equations.
22117S0808	P NIHARIKA	Fourier Transforms-Fourier Integral formula



Vaagdevi Degree & PG College
Kishanpura, Hanamkonda
M.Sc. (Mathematics) II Year II semester
Internal assessment –I
(Paper-III)
INTEGRAL EQUATIONS AND TRANSFORMS

Time: 90Mins

Marks : 20 M

Answer all the questions

Each Question carries 2 Marks

1. Form an Integral equation corresponding to the differential equation $\frac{d^2 y}{dx^2} + \frac{dy}{dx} + y = 0$ with the initial conditions $y(0)=1, y'(0)=0$.
2. Solve the Integral equation $\phi(x) = 1 + \int_0^x \phi(\xi) d\xi$.
3. Construct the resolvent kernels of the following kernel
 $K(x, \xi) = xe^x$; $a=0, b=1$.
4. Using Fredholm determinants to find resolvent kernel of
 $K(x, \xi) = 1+3x\xi, 0 \leq x \leq 1, 0 \leq \xi \leq 1$.
5. Find the resolvent kernel of Volterra's integral equation with the following kernel
 $K(x, \xi) = \frac{2+\cos x}{2+\cos \xi}$.
6. Verify that the given function $\phi(x)=\frac{1}{2}$ is the solution of the integral equation $\int_0^x \frac{\phi(\xi)}{\sqrt{x-\xi}} d\xi = \sqrt{x}$.
7. Solve the I.E with the Degenerate Kernel given $\phi(x) = x + \lambda \int_0^1 (x\xi^2 + x^2\xi)\phi(\xi) d\xi$.
8. Write Fredholm first theorem statement.
9. Define (a) Volterra's Integral equation .
(b) Give general form of volterra's integral equation of first and second kind.
10. Define Green's Function.



Vaagdevi Degree & PG College

Kishanpura, Hanamkonda

M.Sc. (Mathematics) II year II semester

Internal assessment –II

(Paper-III)

INTEGRAL EQUATIONS AND TRANSFORMS

Time : 90Mins

Marks : 20M

Answer all the questions

Each Question carries 2 Marks

1. Solve the Abel's Integral equation $f(x) = \int_0^x \frac{\phi(\xi)}{\sqrt{x-\xi}} d\xi$.
2. Solve the integral equation
 $\phi(x) = x + \int_0^x \phi(x-\xi) \cos \xi d\xi, \phi(0) = 2$.
3. Find the modified Green's function $G_m(x,t)$ of the system
 $-k \frac{d^2}{dx^2} \bar{\phi}(x) = f(x)$ with boundary conditions $\bar{\phi}(0) = \bar{\phi}(1) = 0, 0 \leq x \leq 1$.
4. write Definition of Integral transform and Laplace Transform.
5. Find Laplace transform of each of the following
 $e^t \cos^2 t, e^t \sin^2 t$.
6. Evaluate $L\{t \cosh 3t\}, L\{t \sinh t\}$.
7. Evaluate $L^{-1}\left\{\frac{1}{p^2}\right\}, L^{-1}\left\{\frac{1}{p^2+4}\right\}$.
8. Find the Laplace Transform of the function $F(t) = \frac{e^{at}-1}{a}$.
9. Find the Fourier sine and cosine transforms of the function x^{m-2} .
10. Find the finite Fourier sine and cosine transforms of $f(x) = x^2, 0 < x < \pi$.

STUDENT PROGRESSION AND MARKS STATEMENT**M.Sc.-IV SEM**

HT.NO	NAME OF THE STUDENT	INTERNAL EXAM-1	INTERNAL EXAM-2
22117S0801	MD.SIMRAN	AB	AB
22117S0802	MAHVEN KOUSAR	16	AB
22117S0803	SHAFIA SAMEEN	16	AB
22117S0804	K LAXMI	12	AB
22117S0805	R KEERTHANA	16	AB
22117S0806	TASBIYA SALEEM	15	AB
22117S0807	K SINDHUJA	AB	AB
22117S0808	P NIHARIKA	17	AB
22117S0809	G SOUMYA	18	AB
22117S0810	B RENUKA	AB	12
22117S0811	N SWETHA	18	AB
22117S0812	P APARNA	AB	AB
22117S0813	A RACHANA	15	AB
22117S0814	SHIRIN	16	AB
22117S0815	K MANISHA	12	AB
22117S0816	A ANUSHA	15	AB
22117S0817	U RAMYA	AB	18
22117S0818	N SUNITHA	AB	12
22117S0819	V SANDEEP	AB	AB
22117S0820	M MANASA	16	AB
22117S0821	P RAMU	AB	AB
22117S0822	P PAVAN KALYAN	AB	12
22117S0823	V RAVALI	AB	AB
22117S0824	GAAYATHRI	AB	12
22117S0825	BINDHU	AB	14
22117S0826	SAMEENA SULTHANA	AB	14
22117S0827	AFREEN FATHIMA	18	AB

22117S0828	S.DHANALAXMI	16	AB
22117S0829	U.NITHYA	16	AB
22117S0830	P.PUJITHA	AB	AB
22117S0831	K.RAMYA	AB	12

Teaching Notes

Unit No	Topics	Synopsis	Hours allotted	Hours taught	Extra hours taken	Reason
UNIT-I	Integral Equation	Integral Equation – Differentiation of a Function under an Integral Sign – Relation Between Differential and integral Equations – Solution of Non-homogeneous Volterra's Integral Equations by the method of Successive Substitution and Successive Approximation of some Resolvent Kernels – Volterra Integral Equation of First Kind	17	17	-	-
UNIT-II	Integral Equation	Solution of the Fredholm Integral Equation by the Method of Successive Substitution and successive approximation – Reciprocal Functions - Volterra's Solution of Fredholm's Equation – Statement of Fred first Theorem- Statement of Unique Solution of the Nonhomogeneous Fredholm Integral Equation – Integral equations with degenerate kernels - Symmetric Kernel – Eigen value of a Symmetric kernel Real Characteristic Constants – Greens Functions – Construction of Green's Functions.	19	19	-	-
UNIT-III	Laplace Transforms	Laplace Transforms – Existence of Laplace Transform – Properties of Laplace Transform- The inverse Laplace transform and properties – Convolution Theorem- Solution of ordinary differential Equation by Laplace Transforms- Solution of Ordinary Differential Equation by Laplace Transforms- Solution of Partial Differential Equations by Laplace Transforms - Application of Laplace Transforms to Integral Equations	19	19	-	-
UNIT- IV	Fourier Transforms	Fourier Transforms – Fourier Integral Formula – Inversion Theorem for Complex Fourier Transform -Fourier Sine and Cosine Transform - Inversion of Formulae – Convolution	17	17	-	-

		<p>Theorem-Parseval's identity -Finite Fourier Sine and Cosine Transforms - Inversion</p> <p>Formulae -Operational Properties – Convolution – Application of Fourier Transforms to</p> <p>Initial and Boundary value problems.</p>				
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VAAGDEVI DEGREE & PG COLLEGE



DIST: HANUMAKONDA, TELANGANA STATE - 506001

(Affiliated to Kakatiya University, Warangal)

(e-mail: contact@vaagdevicolleges.com)

(website: www.vaagdevicolleges.com)

Criterion: I

Teaching Plans

MBA

VAAGDEVI DEGREE & PG COLLEGE

DEPARTMENT OF BUSINESS MANAGEMENT

COURSE FILE - IV SEM-2022-2023

CREATIVITY AND INNOVATION

Name of the faculty	KARUNA CHENNUPATI
Designation	ASSISTANT PROFESSOR
Email	karunachennupati@gmail.com
Course Code	MB 403
Course Title	CREATIVITY AND INNOVATION
Academic Year / Semester	2022-2023 IV SEM
Number of Instructional Hours	50

1. INTRODUCTION TO THE COURSE :

Creativity and Innovation introduces the students to the various theoretical concepts related to the human creative process, developing creative ideas, and converting ideas into innovative solutions or products. This course emphasize the importance of creating a sustainable process to continually innovate in the areas of product, process and service innovation .

PROGRAM OUTCOMES

V. PROGRAMME OUTCOMES:

- PO1 Apply knowledge of management theories and practices to solve Business Problems.
- PO2 Foster analytical and critical thinking abilities .
- PO3 Ability to develop value based leadership ability.
- PO4 Ability to understand analyze and communicate global, economic, legal and ethical aspects of Business.
- PO5 Ability to lead themselves and others in the achievement of organizational goals, contributing effectively to a team environment.
- PO6 Ability to continuously learn and adapt to the creativity and innovation of Business and Society.
- PO7 Acquire entrepreneurial skills to establish and manage enterprises.

Program objectives and Course out comes mapping

COURSE TITLE	COURSE CODE	COURSE OUTCOMES
CREATIVITY AND INNOVATION	MB 403	<p>CO1: 1.The student should be able to understand different perspectives on why creativity matters.</p> <p>CO2.The course enhance the cognitive aspects of creativity and how personality and individual differences might contribute.</p> <p>CO3.This course explore ways in which individual can enhance their own creative potential</p> <p>CO4.The student should be able to appreciate how organization can be more strategic in their approach to creativity and innovation</p> <p>CO5.The student can appreciate the organizational factors such as culture, leadership, diversity and structure can both help and hinder creativity and innovation,</p>

ASSESSMENT LEVELS: 0 – NOT MAPPED; 1 –MAPPED AT WEAK LEVEL; 2 – MAPPED AT MODERATE LEVEL; 3 – MAPPED AT SATISFACTORY LEVEL

Course/Program	PO -1	PO -2	PO -3	PO -4	PO -5	PO -6	PO -7
CO -1	3	1	0	2	1	2	2
CO -2	3	3	2	2	2	3	3
CO -3	2	3	2	2	3	3	3
CO -4	2	2	2	2	2	3	3
Co-5	1	2	2	2	2	2	3
TOTAL ATTAINMENT	2.2	2.2	1.6	2	2	2.6	2.8

$W_{Pi} = \sum_j (CO_j) / 5 \text{ (i=1 to 10 and j=1 to 5) (} W_{Pi} \text{ is the Weight factor for Programme Outcome PO1)}$

CLASS TIME-TABLE

Department : **Business Management**

Class: MBA- II year II Semester

Academic Year: **2022-2023**

DAY / HOURS	1 (9.00AM- 9.50 AM)	2 (9.50AM- 11.40 AM)	3 (11.40 AM- 12.30 AM)	4 (1.30 PM- 2.20 PM)	5 (2.20 PM- 3.10 PM)	6 (3.10 PM- 4.00 PM)
MON				MIS		
TUE			MIS			
WED			MIS			
THURS			MIS			
FRI						
SAT						

Subject Code	Subject	Name of the Faculty	Signature
MB 403	CREATIVITY AND INNOVATION	KARUNA CHENNUPATI	

COURSE SYLLABUS

MB 403 CREATIVITY AND INNOVATION

Unit I: Realms of Creativity

Creativity - Concept - Convergent and Divergent Thinking -Creative Intelligence – Enhancing Creativity Intelligence -Determinants of Creativity - Creativity Process - Roots of Human Creativity - Biological, Mental, Spiritual and Social -Forms of Creativity - Essence, Elaborative and Expressive -Existential, Entrepreneurial and Empowerment of a Successful Innovative Organisation - Training for Innovation - Management of Innovation-Agents

Unit II : Creative Personality

Traits Congenial to Creativity - Motivation and Creativity - Strategies for changing Motivation - Creativogenic Environment - Formative Environment and Creativity - Adult Environment -Environmental Stimulants - Blocks to Creativity-Strategies for unblocking Creativity

Unit III: Corporate Creativity

Creative Manager - Techniques of Creative Problem Solving -Creative Encounters and Creative Teams - Perpetual Creative Organisations - Creative Management Practices – Human Resource Management, Marketing Management, Management of Operations, Management of Product Design and Growth Strategies.

Unit IV: Creative Organisation

Issues and Approaches to the Design of Creative Organisations Policy frameworks – Organisational Design for Sustained Creativity - Mechanism for Stimulating Organisational Creativity – Creative Diagnosing - Creative Societies - Necessity Model of a Creative Society

Unit V : Management of Innovation

Nature of Innovation - Technological Innovations and their Management - Inter - Organisational and Network Innovations -Design of Innovation -Skills for Sponsoring Innovation

TEACHING PLAN

S.No.	Unit / Topic	Teaching Planned on Date	No of Periods Planned	Teaching aids used	Books Referred
1	Creativity - Concept - Convergent and Divergent Thinking -Creative Intelligence – Enhancing Creativity Intelligence - Determinants of Creativity - Creativity Process - Roots of Human Creativity - Biological, Mental, Spiritual and Social -Forms of	12.04.2023 to 28.04.2023	12	BLACK BOARD, CHALK, ROLE PLAY, CLASS ROOM ACTIVITIES	1. Pradip Khandwalla- Lifelong Creativity- An Unending Quest, Tata McGraw Hill, 2006. 2. Pradip Khandwalla- The Corporate Creativity- The Winning Edge, Tata McGraw Hill, New Delhi

	Creativity - Essence, Elaborative and Expressive - Existential, Entrepreneurial and Empowerment				
2	Traits Congenial to Creativity - Motivation and Creativity - Strategies for changing Motivation - Creativogenic Environment - Formative Environment and Creativity - Adult Environment - Environmental Stimulants - Blocks to Creativity-Strategies for unblocking Creativity	01/05/2023 to 18/05/2023	10	BLACK BOARD, CHALK, ROLE PLAY, ACTIVITIES	1. Pradip Khandwalla- Lifelong Creativity- An Unending Quest, Tata McGraw Hill, 2006. 2. Pradip Khandwalla- The Corporate Creativity- The Winning Edge, Tata McGraw Hill, New Delhi
3	Creative Manager - Techniques of Creative Problem Solving -Creative Encounters and Creative Teams - Perpetual Creative Organisations - Creative Management Practices – Human Resource Management, Marketing Management, Management of Operations, Management of Product Design and Growth Strategies.	22/05/2023 to 08/06/2023	10	POWER POINT PRESENTATION , BLACK BOARD, CHALK	1.Pradip Khandwalla- The Fourth Eye, Wheeler Publishing, New Delhi. 2. Pradip Khandwalla- Lifelong Creativity- An Unending Quest, Tata McGraw Hill, 2006. 3. Pradip Khandwalla- The Corporate Creativity- The Winning Edge, Tata McGraw Hill, New Delhi
	Internal Assessment – I	14-6-2023 to 16-6-2023			
4	Issues and Approaches to the Design of Creative Organisations Policy frameworks – Organisational Design for Sustained Creativity - Mechanism for Stimulating Organisational Creativity – Creative Diagnosing - Creative Societies - Necessity Model of a Creative Society.	19/06/2023 to 29/06/2023	08	BLACK BOARD, CHALK, POWER POINT PRESENTATION, ROLE PLAY	1. Pradip Khandwalla- Lifelong Creativity- An Unending Quest, Tata McGraw Hill, 2006. 2. Pradip Khandwalla- The Corporate Creativity- The Winning Edge, Tata McGraw Hill, New Delhi 4. Rastogi, P.N, Managing Creativity for Corporate Excellence, Macmillan, New Delhi. 5. Jone Ceserani, Peter Greatwood- Innovation and Creativity, Crest Publishing House, New Delhi.
5	Nature of Innovation - Technological Innovations and their Management - Inter - Organisational and Network Innovations -Design of a Successful Innovative Organisation - Training for Innovation - Management of Innovation-Agents of Innovation -Skills for Sponsoring Innovation	03/07/2023 to 12/07/2023	10	POWER POINT PRESENTATION ,CLASS ROOM ACTIVITY & ROLE PLAY	1. Pradip Khandwalla- Lifelong Creativity- An Unending Quest, Tata McGraw Hill, 2006. 3. Pradip Khandwalla- The Fourth Eye, Wheeler Publishing, New Delhi. 5. Jone Ceserani, Peter Greatwood- Innovation and Creativity, Crest Publishing House, New Delhi.

List of Recommended Text Books

S.No.	Name of the Book	Author
1	The Corporate Creativity- The Winning Edge	Pradip Khandwalla
2	Managing Creativity for Corporate Excellence	Rastogi, P.N
3	Innovation and Creativity	Jone Ceserani, Peter Greatwood

List of Reference Text Books

S.No.	Name of the Book	Author
1	Lifelong Creativity- An Unending Quest	Pradip Khandwalla
2	Managing Creativity for Corporate Excellence	Rastogi, P.N
3	Innovation and Creativity	Jone Ceserani, Peter Greatwood

List of URL's to be Referred

S.NO.	Name of the URL
01	https://www.pdfdrive.com/using-excel-for-business-analysis-a-guide-to-financial-modelling-fundamentals-d157908297.html
02	https://bdigital.uvhm.edu.mx/wp-content/uploads/2020/05/Essentials-of-Business-Analytics.pdf
03	https://www.pdfdrive.com/business-analysis-for-practitioners-a-practice-guide-provides-a-foundation-for-the-practical-application-of-business-analysis-e175933171.html

DEPARTMENT OF BUSINESS MANAGEMENT
VAAGDEVI DEGREE & PG COLLEGE
Hanamkonda, Warangal

COURSE OUTLINE

Name of the faculty	Dr. SURESH CHANDRA CH
Designation	ASSOCIATE PROFESSOR
Email	sureshchandramba@vaagdevicolleges.com
Course code	MB105
Course Title	MARKETING MANAGEMENT
ACADEMIC YEAR / SEMESTER	2022-2023/ I- Semester
NUMBER OF INSTRUCTIONAL HOURS	50

I. INTRODUCTION OF THE COURSE

Marketing Management is one of the core areas in overall Business Management. The subject provide in-depth knowledge about the core concepts of marketing, developing marketing strategies and plans, utilization of marketing information pertaining to marketing mix elements. The subject provide the essential knowledge and skills to successfully undertake the assignments of Marketing and Sales. The course provide an opportunity to excel in the career of marketing and sub areas of Marketing.

II. COURSE OBJECTIVES

1. To provide deeper understanding of core and specialized areas of Marketing.
2. To enhance the knowledge of students in the various emerging dimensions in Marketing.
3. To help the students to actively involve in Marketing Case Studies.
4. To undertake the projects and internships in the area of Marketing.
5. To utilize the opportunities in the area of Marketing and choosing a career in marketing.

III. ASSESSMENT TOOLS

1. Internal Assessment Tests(Two) will be conducted during the course. Best of two Assignments will be considered for evaluation for a maximum of 20 marks and forwarded to the University.
2. A mandatory seminar presentation has to be given by the student. Maximum marks allotted are 10 marks.
3. Students practical skills will be assessed through Lab sessions organized in Business Analytics Lab (Computer Lab)

IV. TEACHING PEDAGOGY

1. Lecture Method
2. Role Play
3. Case Study
4. Assignments
5. Class room Exercises
6. Seminar presentations

V. PROGRAMME OUTCOMES:

- PO1 Apply knowledge of management theories and practices to solve Business Problems.
- PO2 Foster analytical and critical thinking abilities for data based decision-making.
- PO3 Ability to develop value based leadership ability.
- PO4 Ability to understand analyze and communicate global, economic, legal and ethical aspects of Business.
- PO5 Ability to lead themselves and others in the achievement of organizational goals, contributing effectively to a team environment.
- PO6 Ability to continuously learn and adapt to the dynamics of Business and Society.
- PO7 Acquire entrepreneurial skills to establish and manage enterprises.

VI. INSTRUCTIONS TO STUDENTS

The students are expected to follow the instructions and guidelines given below to take the full benefit from this course.

1. Attend classes regularly, on time.
2. Take assignments seriously and complete them on time.
3. Give two mandatory seminars without fail. The seminars can be given on applications of Business Analytics, Business analytics in competitive world, any current topic relevant to the course. The same content covered on same topic in the class room should be avoided. Specific criterion will be given to evaluate the seminar presentations.
4. Participate actively in case discussions, group discussions, debates, role plays and other activities conducted during the course.
5. The students interested to undertake project work in Business Analytics will be encouraged. Necessary guidance and support will be given to them.


CLASS TIME-TABLE

Department : **Business Management**

Class: MBA- I Year I Semester

Academic Year: **2022-2023**

DAY / HOURS	1 (9.00AM-9.50 AM)	2 (9.50AM-11.40 AM)	3 (11.40 AM-12.30 AM)	4 (1.30 PM-2.20 PM)	5 (2.20 PM-3.10 PM)	6 (3.10 PM-4.00 PM)
MON				MIS		
TUE						
WED		MAR				
THURS		MAR				
FRI		MAR				
SAT		MAR				

Subject Code	Subject	Name of the Faculty	Signature
MB 105	MARKETING MANAGEMENT	Dr Suresh Chandra Ch	

Course/Program	PO -1	PO -2	PO -3	PO -4	PO -5	PO -6	PO -7
CO -1	2	1	0	3	2	2	1
CO -2	2	3	2	3	3	3	2
CO -3	2	3	2	2	3	3	3
CO -4	2	2	2	2	3	3	2
Co-5	2	2	2	1	3	2	2
TOTAL ATTAINMENT	2	2.2	1.6	2.2	2.8	2.6	2

$$W_{Pi} = \sum_j (CO_j) / 5 \text{ (i=1 to 10 and j=1 to 5) (} W_{Pi} \text{ is the Weight factor for Programme Outcome PO1)}$$

COURSE SYLLABUS

MB 105 – MARKETING MANAGEMENT

UNIT - I : Marketing

Definition - Importance - Scope - Marketing Management: Tasks and Trends - Company orientations towards marketplace : Production Concept - Product Concept - Selling Concept - Marketing Concept - Holistic Marketing Concept - Building customer value, satisfaction and loyalty - Customer Relationship Management(CRM) - Analyzing marketing environment: Demographic, Economic , Political and Legal environment - An overview of Indian marketing environment - Marketing mix: concept and components.

UNIT - II : Developing Marketing Strategies and Plans

Corporate and Division Strategic Planning - Business Unit Strategic Planning - Concept of Marketing Plan - Dealing with Competition : Identifying and Analyzing Competitors - Competitive Strategies for Market Leaders, market challengers, market followers and market nichers. Identifying Market Segments and Targets: Levels of Market Segmentation - Bases for segmenting consumer markets - Bases for segmenting business markets - Targeting, Positioning: Concept - Developing and communicating positioning strategies.

UNIT - III : Marketing Information

Components of modern marketing information system - Analysing consumer markets: A brief discussion about factors influencing consumer behaviour - Consumer buying decision process. Analyzing Business Markets: Buying situations - Participants in buying process - Purchasing process - Stages in buying process Designing and managing services: Meaning - Nature and characteristics of services.

UNIT - IV: Product

Concept, levels, classification, differentiation and hierarchy - Product systems and mixes - Products line analysis - Product life cycle and marketing strategies - New product development process - Branding : Meaning, role and scope of brands - Brand Equity. Packaging, labeling, warranties and guarantees. Price: Concept - Steps in setting the price - Adapting the price -Initiating and responding to price changes.

UNIT - V : Integrated Marketing Communication

Designing and managing integrated marketing communications - Integrated marketing communications - Marketing communication mix. - Developing and managing an Advertising Programme: Deciding on media - Measuring effectiveness - Sales promotion: Objectives – Major decisions - Events and experiences:- Objectives - Major decisions - Marketing Public Relations: Major decisions in marketing public relations - Direct Marketing: Channels used for direct marketing - Interactive

marketing. Personal Selling - Principles of personal selling - An Overview of sales force management decisions.- Designing and managing marketing channels: Concept of Channels and value Networks - Role of marketing channels - Channel design, Management and integration decisions - Channel conflict, cooperation and competition.- Marketing logistics: Objectives - Decisions.

REFERENCES BOOKS AND MATERIAL:

1. Philip Kotler, Kevin Lane Keller, Abraham Koshy and Mithileshwar Jha: Marketing Management A SouthAsian Perspective (Thirteenth Education), Pearson Education Inc., New Delhi.
2. Philip Kotler, Kevin Keller : Marketing Management (2008) Prentice Hall of India, New Delhi^{13th}Edu.
3. TapanK. Panda : Marketing Management (2008) Text and Cases (Indian context) Excel Books, NewDelhi.

ONLINE REFERENCES:

1. https://cdn.website-editor.net/25dd89c80efb48d88c2c233155dfc479/files/uploaded/Kotler_keller_-_marketing_management_14th_edition.pdf
2. <https://ipsedu.in/downloads/MBABooks/principles-of-marketing-philip-kotler.pdf>
3. https://ebooks.lpude.in/commerce/mcom/term_2/DCOM405_DMGT408_MARKETING_MANAGEMENT_DMGT203_ESSENTIALS_OF_MARKETING.pdf
- 4.

COURSE SCHEDULE

Session Number	Unit/Topic	Teaching Planned on Date	No of periods planned	Pedagogy	Books Referred
Unit-I: MARKETING					
1.	Marketing Definition – Importance – Scope	02-11-19-11-2022	10	Lecture	
2.	Marketing Management: Tasks and Trends – Company orientation towards marketing place			Lecture	
3.	Production Concept – Product Concept-Selling Concept			Lecture	

4.	Marketing Concept – Holistic Marketing Concept			Lecture	
5.	Building Value, Satisfaction and Loyalty			Lecture	
6.	Customer Relationship management (CRM)			Lecture	
7.	Analyzing Marketing Environment: Demographic and Economic Environment			Lecture	
8.	Political and Legal Environment – An Overview of Indian Marketing Environment			Lecture	
9.	Marketing Mix: Concept and Components			Lecture	
10.	Revision & Case Study			Comprehension	
		Unit-II: DEVELOPING MARKETING STRATEGIES AND PLANS			
11.	Corporate and Division Strategic Planning	20-11-2022 to 8-12-2022	10	Lecture	
12.	Business Unit Strategic Planning – Concept of Marketing Plan			Lecture	
13.	Dealing with Competition: identifying nad Analyzing Competitors			Lecture	
14.	Competitive Strategies for Market Leaders, Market Challengers			Lecture	
15.	Competitive Strategies for Market Followers and Market Nichers			Lecture	
16.	Identifying Market Segments and Targets: Levels of Market Segmentation			Lecture	
17.	Bases for Segmenting Consumer Markets – bases for Segmenting Business Markets			Lecture	
18.	Targeting, Positioning: Concept – Developing and communicating			Lecture	

	positioning strategies				
19.	Revision of the Chapter			Comprehension	
20.	Assessment Test/Assignment			Evaluation	
			Unit-III: MARKETING INFORMATION		
21.	Components of Modern Marketing Information System	10-12-2023 to 30-12-2023		Lecture	
22.	Analysing Consumer Markets: A brief discussion about factors influencing Consumer Behaviour			Lecture	
23.	Consumer Buying Decision Process			Lecture	
24.	Analyzing Business Markets: Buying Situations			Lecture	
25.	Participants in Buying Process – Purchasing Process			Lecture	
26.	Stages in Buying Process			Lecture	
27.	Designing and managing services – Meaning – Nature			Lecture	
28.	Characteristics of Services			Lecture	
29.	Role-Play/Marketing Event			Comprehension	
30.	Case Study			Evaluation	
Internal Assessment – I:5-1-2023 to 9-1-2023					
Unit-IV: PRODUCT CONCEPTS					
31.	Concept, levels, classification of Products	18-1-2023 to 30-1-2023	10	Lecture	
32.	Differentiation and Hierarchy of Products			Lecture	
33.	Product Systems and Product Mix			Lecture	
34.	Product Line Analysis – Product Life Cycle and Marketing Strategies			Lecture	
35.	New Product Development Process			Lecture	
36.	Branding: Meaning, role			Lecture	

	and scope of Brands				
37.	Brand Equity, Packaging, Labeling			Lecture	
38.	Warranties and Guarantees – Price: Concept – Steps in setting price			Lecture	
39.	Adapting the price- Initiating and responding to price changes			Comprehension	
40.	Marketing Simulation Game			Simulation Exercise	
		Unit-V: INTEGRATED MARKETING COMMUNICATION			
41.	Designing and managing integrated marketing communications - Integrated Marketing Communications	1-2-2023 to 12--2-2023		Lecture	
42.	Marketing Communication Mix - Developing and managing an Advertising Programme			Lecture	
43.	Deciding on Media – Measuring Effectiveness – Sales Promotion: Objectives			Lecture	
44.	Major Decisions – Events and Experiences - Objectives – Major Decisions			Lecture	
45.	Marketing Public Relations: Major Decisions in Marketing Public Relations			Lecture	
46.	Direct Marketing: Channels used for Direct Marketing – Interactive marketing – Personal selling – Principles of Personal selling			Lecture	
47.	An Overview of Sales force Management decisions – Designing			Lecture	

	and managing marketing channels: concepts of Channels and value Networks				
48.	Role of Marketing channels – Channel design, Management and integration decisions - Channels conflict, Cooperation and Competition			Lecture	
49.	Marketing Logistics: Objectives – Decisions			Lecture	
50.	Seminar Presentations			Evaluation	
	Internal Assessment – II				

VII. COURSE OUTCOME

1. The course enables the students to understand the basic knowledge of marketing Concepts.
2. The course encourages the students to focus emerging areas in Marketing Management.
3. The course drives the students to actively involve Marketing Simulations and Case Studies.
4. The course motivates the students to choose different areas of Marketing as Career Opportunity to excel.
5. The course helps the students to understand and disseminate knowledge in the area of Emerging areas in marketing.

List of Recommended Text Books

S.No.	Name of the Book	Author
1	Marketing Management	Philip Kotler and Keller
2	Marketing Management	Tapan K Panda
3	Marketing Management – text and Cases	Gupta Prachi

List of Reference Text Books

S.No.	Name of the Book	Author
1	Principles of Marketing	Philip Kotler
2	Marketing Manageent	Philani , Bhagavathi
3	Fundamental of Marketing	Paul Baines

List of URL's to be Referred

S.NO.	Name of the URL
01	https://www.drnishikantjha.com/booksCollection/BComBBAMarketing%20.pdf
02	https://old.mu.ac.in/wp-content/uploads/2020/09/Marketing-Management-Paper-III-Eng.pdf
03	https://www.cce.upes.ac.in/idcard/files/book3.pdf



VAAGDEVI DEGREE & PG COLLEGE

DIST: HANUMAKONDA, TELANGANA STATE - 506001

(Affiliated to Kakatiya University, Warangal)

(e-mail: contact@vaagdevicolleges.com)

(website: www.vaagdevicolleges.com)

Criterion: I

Teaching Plans

MCA



VAAGDEVI DEGREE & PG COLLEGE

DEPARTMENT OF COMPUTER SCIENCE

COURSE FILE 2022-23

MCA(SOFTWARE ENGINEERING)-123

Name of the faculty	DR.CH.KISHORE KUMAR
Designation	ASSISTANT PROFESSOR
Email	kishore.chennuri@gmail.com
Course Code	MCA I Year II Sem
Course Title	SOFTWARE ENGINEERING
Academic Year / Semester	2022-23 / II Sem
Number of Instructional Hours	85

INTRODUCTION TO THE COURSE:

Software Engineering (SE) comprises the core principles consistent in software construction and maintenance: fundamental software processes and life-cycles, mathematical foundations of software engineering, requirements analysis, software engineering methodologies and standard notations, principles of software architecture and re-use, software quality frameworks and validation, software development, and maintenance environments and tools. An introduction to object-oriented software development process and design. Topics include: iterative development, interpretation of requirements and use case documents into code; application of design notation in UML and use of commonly-used design patterns. Current industry-strength programming languages, technologies and systems feature highly in the practical components, electives and projects of the course, but they are also taught with a view to understanding and applying principles underlying their more ephemeral character.

Vision

Produce innovative leaders in the field **Software Engineering** by their work in software development in a myriad of application areas, and through work in advanced study and research.

Mission:

Mission is to teach and prepare liberally educated, articulate, and skilled software engineers for leadership and professional careers and for advanced study. A central objective of our program is to contribute to society by advancing the field and software engineering through innovations in teaching and research, thus enhancing student knowledge through interactive instruction, global engagement, and experiential learning. The program will serve as a resource to

inform society about innovations related to the production and uses of computers and software.

PROGRAM OUTCOMES

The Master of Computer Applications Program provides the students with knowledge, general competence, and analytical skills on an advanced level, needed in academics, industry, research.

PO1: Be technology-oriented with the knowledge and ability to develop creative solutions, and better understand the effects of future developments of computer systems and technology on people and society.

PO2: Get some development experience within a specific field of Computer Science, through project work.

PO3: Get ability to apply knowledge of Computer Science to the real-world issues.

PO4: Be familiar with current research within various fields of Computer Science.

PO5: Use creativity, critical thinking, analysis and research skill. Skill Outcomes
Students will

PO6: Learn new technology, grasping the concepts and issues behind its use and the use of computers.

PO7: Get prepared for placement by developing personality & soft skills.

PO8: Communicate scientific information in a clear and concise manner.

PO9: Build up programming, analytical and logical thinking abilities. General
Competence: The students will

PO10: Be able to understand the role of Computer Science in solving real time problems in society.

PROGRAM SPECIFIC OUTCOMES

Program Specific Outcomes – MCA(SE)	<ul style="list-style-type: none">. To comprehend the various software process models.To understand the types of software requirements and SRS document.To know the different software design and architectural styles.To learn the software testing approaches and metrics used in software development.To know about quality control and risk management.
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Program objectives and Course out comes mapping

ASSESSMENT LEVELS: 0 – NOT MAPPED; 1 –MAPPED AT WEAK LEVEL; 2 – MAPPED AT MODERATE LEVEL; 3 – MAPPED AT SATISFACTORY LEVEL

COURSE TITLE	COURSE CODE	COURSE OUTCOMES
SOFTWARE ENGINEERING	MCAIYrIIISem	<p>CO1: Knowledge of basic software engineering methods and practices, and their appropriate application. Describe software engineering layered technology and Process frame work.</p> <p>A general understanding of software process models such as the waterfall and evolutionary models.</p> <p>CO2: Understanding of software Functional and non-functional requirements, user requirements, system requirements: Feasibility studies, requirements elicitation and analysis, system models.</p> <p>CO3: Understanding software testing,</p>

						<p>testing strategies for conventional software, black-box and white-box testing</p> <p>Understanding conceptual model of UML, basic structural modeling, class diagrams, sequence diagrams, collaboration diagrams, use case diagrams, component diagrams.</p> <p>CO4: : Software quality, metrics for analysis model. Understanding and Estimating software measurement and software risks.</p> <p>Understanding software evolution and related issues such as version management. Performing User Interface Design: The Golden Rules - User Interface Analysis and Design-Interface Analysis - Interface Design Steps - Design Evaluation. Risk Management: Strategies, Mitigation, Monitoring, and Management – Quality Management</p>				
	PO1	PO 2	PO 3	PO 4	PO 5	PO6	PO 7	PO8	PO 9	PO10
CO -1	2	2	2	3	2	4	3	4	3	2
CO -2	3	2	3	2	3	2	3	3	2	2
CO -3	2	2	2	4	2	3	3	3	3	4
CO -4	3	2	3	3	3	3	3	3	2	2
TOTAL ATTAINMENT	2.5	2.0	2.5	3.0	2.5	2.75	3.0	3.25	2.5	2.5

$$WPI = \sum_j (CO_j) / 4 \text{ (i=1 to 10 and j=1 to 4) (WPI is the Weight factor for Programme Outcome PO1)}$$

CLASS TIME-TABLE

Department : **COMPUTER SCIENCE**

Class: MCA I year II sem

Academic Year: **2022-23**

DAY / HOURS	1 (9.00AM- 9.50 AM)	2 (9.50AM- 11.40 AM)	3 (11.40 AM- 12.30 AM)	4 (1.30 PM- 2.20 PM)	5 (2.20 PM- 3.10 PM)	6 (3.10 PM- 4.00 PM)
MON		SE				
TUE		SE				
WED	SE					
THURS	SE					
FRI	SE-Lab					
SAT	SE-Lab					

Subject Code	Subject	Name of the Faculty	Signature
MCA I year II sem	SOFTWARE ENGINEERING		

MCA123	Software Engineering			SE
WORK LOAD: 4 PPW	Credits : 4	INTERNAL MARKS: 20	EXTERNAL MARKS: 80	

UNIT-I:

Introduction to Software Engineering: The evolving role of software, changing nature of software, software myths.

A Generic view of process: Software engineering- a layered technology, a process framework, the capability maturity model integration (CMMI), process patterns, process assessment, personal and team process models.

Process models: The waterfall model, incremental process models, evolutionary process models, the unified process.

UNIT-II:

Software Requirements: Functional and non-functional requirements, user requirements, system requirements, interface specification, the software requirements document.

Requirements Engineering Process: Feasibility studies, requirements elicitation and analysis, requirements validation, requirements management.

System Models: Context models, behavioural models, data models, object models, structured methods.

UNIT-III:

Design Engineering: Design process and design quality, design concepts, the design model. Creating an **Architectural Design:** Software architecture, data design, architectural styles and patterns, architectural design, conceptual model of UML, basic structural modeling, class diagrams, sequence diagrams, collaboration diagrams, use case diagrams, component diagrams.

Testing Strategies: A strategic approach to software testing, test strategies for conventional software, black-box and white-box testing, validation testing, system testing, the art of debugging.

UNIT-IV:

Product Metrics: Software quality, metrics for analysis model, metrics for design model, metrics for source code, metrics for testing, metrics for maintenance.

Metrics for Process and Products: Software measurement, metrics for software quality.

Risk Management: Reactive Vs proactive risk strategies, software risks, risk identification, risk projection, risk refinement, RMMM, RMMM plan.

Quality Management: Quality concepts, software quality assurance, software reviews, formal technical reviews, statistical software quality assurance, software reliability, the ISO 9000 quality standards.

TEXTBOOKS:

- Software Engineering, A practitioner's Approach- Roger S. Pressman, 6th edition, Mc GrawHill International Edition.
- Software Engineering- Sommerville, 7th edition, Pearson Education.
- The unified modeling language user guide Grady Booch, James Rumbaugh, Ivar Jacobson, Pearson Education.

REFERENCES:

- Software Engineering, an Engineering approach- James F. Peters, Witold Pedrycz, John Wiley.
- Software Engineering principles and practice- Waman S Jawadekar, The Mc Graw-Hill Companies.
- Fundamentals of object oriented design using UML Meiler page-Jones: Pearson Education.

MCA128	Software Engineering Lab	
WORK LOAD: 4 PPW	Credits : 2	EXTERNAL MARKS: 50

The following Tasks has to be done for various Applications

- To assign the requirement engineering tasks
- To perform the system analysis : Requirement analysis, SRS
- To perform the function oriented diagram : DFD and Structured chart
- Write the software requirement specification Document
- Draw the entity relationship diagram
- To perform the user's view analysis : Use case diagram
- To draw the structural view diagram : Class diagram, object diagram

- To draw the behavioral view diagram : Sequence diagram, Collaboration diagram
- To draw the behavioral view diagram : State-chart diagram, Activity diagram
- To draw the implementation view diagram: Component diagram
- To draw the environmental view diagram : Deployment diagram
- To perform various testing using the testing tool unit testing, integration testing

Note:

- All the concepts of programs from Text Book including exercises must be practice, execute and writedown in the practical record book.
- In the external lab examination student has to execute at least two programs with compilation anddeployment steps are necessary.
- External Viva-voce is compulsory.

TEACHING PLAN

S.No.	Unit / Topic	Teaching Planned on Date	No of Periods Planned	Course Outcomes	Teaching aids used	Books Referred
1	CO1: Learn about the Evolving Role of Software, Changing Nature of	10/04/2023	20	CO1	BLACK BOARD, CHALK,	Software Engineering

	Software, Software Myths. A Generic View of Process: Software Engineering. The Capability Maturity Model Integration (CMMI), Learn about Process Patterns, Process Assessment, Learn about Process Models: The Waterfall Model, Incremental Process Models, Evolutionary Process Models, the Unified Process	to 06/05/2023			CHARTS AND DUSTER	By R.S. Pressman (Mc. Graw Hill Sixth Edition)
2	CO2: Learn about Software Requirements: Functional and Non-Functional Requirements, User Requirements, System Requirements, Interface Specification, And The Software Requirements Document. Learn about Requirements Engineering Process: Feasibility Study, Requirements Elicitation and Analysis, Requirements Validation, Requirements Management	05/06/2023 to 27/06/2023	22	CO2	BLACK BOARD, CHALK AND DUSTER, CHARTS ICT CLASS ROOM	Software Engineering By R.S. Pressman (Mc. Graw Hill Sixth Edition)
3	CO3: Learn about System Models: Context Models, Behavioural Models, Learn about Object-Oriented Design: Objects and Object Classes Learn about Performing User Interface Design: Golden Rules,	28/06/2023 to 05/07/2023	22	CO3	BLACK BOARD, CHALK, OHP AND DUSTER	Software Engineering By R.S. Pressman (Mc. Graw Hill Sixth Edition)

	User Interface Analysis and Design.					
4	<p>. CO4: Learn about Risk Management , Types of Risks, RMMI plan</p> <p>Learn about Product Metrics: Software Quality, Metrics for Analysis Model, and Metrics for Design Model.</p>	06/07/2023 to 15/07/2023	21	CO4	BLACK BOARD, CHALK AND DUSTER ICT CLASS ROOM	Software Engineering By R.S. Pressman (Mc. Graw Hill Sixth Edition)

List of Recommended Text Books

S.No.	Name of the Book	Author
1	Software Engineering	R.S. Pressman Mc. Graw Hill Sixth Edition
2	Software Engineering	Sommerville, 7th edition, Pearson Education
3	The unified modelling language user guide	Grady Booch, James Rumbaugh, Ivar Jacobson, Pearson Education.

List of Reference Text Books

S.No.	Name of the Book	Author
1	Software Engineering, an Engineering approach	James F. Peters, Witold Pedrycz, John Wiley
2	Software Engineering principles and practice	Waman S Jawadekar, The Mc Graw-Hill Companies.
3	Fundamentals of object oriented design using UML Meiler page	Jones: Pearson Education.

List of URL's to be Referred

S.NO.	Name of the URL
01	https://www.wcupa.edu/appliedstatistics
02	https://study.sagepub.com/mehmetogluandjakobsen

**METHODOLOGY FOR CONTINUOUS INTERNAL
EVALUATION & EXTERNAL ASSESSMENT:**

S. No.	NAME OF THE EXAM	MAX MARKS
01	Unit test	10
02	Internal examinations	20
03	Pre final examinations	80

RECORD OF TUTORIAL CLASSES CONDUCTED

S.No.	DATE	NAME OF FACULTY	TUTORIAL TOPIC
1	10/04/2023	DR.CH.KISHORE KUMAR	Introduction to Software Engineering: The Evolving Role of Software,
2	13/04/2023	DR.CH.KISHORE KUMAR	Changing Nature of Software, Software Myths, Process Framework
3	26/04/2023	DR.CH.KISHORE KUMAR	The Capability Maturity Model Integration (CMMI)
4	01/05/2023	DR.CH.KISHORE KUMAR	Process Models: The Waterfall Model, Incremental Process Models Evolutionary Process Models, the Unified Process.
5	05/06/2023	DR.CH.KISHORE KUMAR	Functional and Non functional requirements
6	10/06/2023	DR.CH.KISHORE KUMAR	Requirements Engineering Process
7	16/06/2020	DR.CH.KISHORE KUMAR	Testing Strategies
8	20/06/2023	DR.CH.KISHORE KUMAR	Types of UML diagrams
9	25/06/2023	DR.CH.KISHORE KUMAR	Data Design - Architectural Styles and Patterns - Architectural Design
10	30/06/2023	DR.CH.KISHORE KUMAR	Software quality, metrics for analysis model

11	06/07/2023	DR.CH.KISHORE KUMAR	Software Risks, Risk Identification, RMMI Plan
12	14/07/2023	DR.CH.KISHORE KUMAR	Quality concepts, software quality assurance

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HANAMKONDA
MCA -I Year–II SEM
SOFTWARE ENGINEERING

UNIT TEST- I

Answer the following questions

Each question carries 5 marks

2x5 = 10

- Define Software Engineering. Explain Process Framework.
- Explain different types of Process Prescriptive Models.

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HANAMKONDA
MCA -I Year-II SEM
SOFTWARE ENGINEERING

All questions carry equal marks

Marks: 20

- What is SE? Explain Process Patterns.
- Explain Capability Maturity Model Integration.
- Explain Waterfall Model.
- Explain Spiral Model.
- Explain Functional and Non-Functional Requirements.
- Explain Arch Styles.
- Explain System engineering Hierarchy.
- Explain Requirement engineering tasks.
- Explain Design Engineering.

- Explain Building the analysis model.

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MCA -I Year-II SEM
SOFTWARE ENGINEERING**

UNIT TEST-II

Answer the following questions

Each question carries 5 marks

2x5 =

10

- Explain User Interface Design.
- Explain types of Software Testing.

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MCA -I Year-II SEM
SOFTWARE ENGINEERING

Total marks: 20

- Explain Architectural Design
- What is coupling? Explain its types.
- What is Cohesion? Explain its types.
- What is Risk? Risk Types
- How Risks can be identified.
- What is RMMI plan.
- What is Software Quality Assurance Plan.
- What is User Interface Design.
- Golden Rules of User Interface Design.
- Explain System Engineering Hierarchy.

Teaching Notes

Unit No	Topics	Synopsis	Hours allotted	Hours taught	Extra hours taken	Reason
UNIT-I	Introduction to Software Engineering. Process Models:	The Evolving Role of Software, Changing Nature of Software, Software Myths. A Generic View of Process: Software Engineering- A Layered Technology, a Process Framework, the Capability Maturity Model Integration.	10	10		
UNIT-II	Software Requirements, Requirements Engineering Practices	Functional and Non-Functional Requirements, User Requirements, System Requirements	12	12		
UNIT-III	Design Engineering and Creating Architectural Design	UML diagrams, Context Models, Behavioral Models, Data Models, Object Models, Structured Methods. Object-Oriented Design: Objects and Object Classes,	13	13		
Unit-IV	Testing Strategies, The Art of Debugging. Product Metrics	Software Metrics for Quality, Risk Management, Software Quality Assurance	12	12		



VAAGDEVI DEGREE & PG COLLEGE

DIST: HANUMAKONDA, TELANGANA STATE - 506001

(Affiliated to Kakatiya University, Warangal)

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website: www.vaagdevicolleges.com)

Criterion: I

Teaching Plans

Microbiology

VAADEENI DEGREE & PG COLLEGE
DEPARTMENT OF MICROBIOLOGY
COURSE FILE-V SEM- INDUSTRIAL AND FOOD MICROBIOLOGY
2022-2023

Name of the faculty	P. NEERAJA
Designation	ASSISTANT PROFESSOR
Email	neerajamicrobiology@gmail.com
Course code	BS-105
Course Title	INDUSTRIAL AND FOOD MICROBIOLOGY
ACADEMIC YEAR / SEMESTER	2022-23 / V-Sem
NUMBER OF INSTRUCTIONAL HOURS	86

1. INTRODUCTION TOP THE COURSE:

The word MICROBIOLOGY describes exactly what the discipline is: the study of small living things. MICRO = small, BIO = living, and LOGY = to study.

- >Living cells and how they work.
- >Microorganisms, an important class of cells capable of independent existence.
- >Microbial diversity and evolution.

G. Chandrabala
HOD, Dept. of Microbiology

A. Subashini
Principal
Vagdevi Degree & P.G. College
Kishanganur, Hanumanthi

What microbes do in the world, in human society, in our bodies, and in the bodies of animals and plants.

>It is about the central role microbiology plays in a basic biological science and how an understanding of microbiology helps in the understanding of the biology of higher organisms—including humans.

Vision

To be a center of excellence in value based holistic quality education carving research, innovation and entrepreneurial attitude that transform students into globally competent society sensitized graduates.

Mission

- To create a student centric institute support with innovative student pedagogy
- To maximize the utilization of the state-of-the-art infrastructure for the overall development of individuals.
- To encourage independent thinking and application-oriented collaborative research in the areas of contemporary interest to contribute to the development of the region and the nation.
- To provide effective teaching & learning environment for training graduates with values, entrepreneurial attitude and globally employable skills.
- To encourage participation in games & sports, co-curricular and extra-curricular activities resulting in overall personality development.



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Kishorinika, Hamamtiomti

PROGRAM OUTCOMES

PO1.Critical Thinking: Take informed actions after identifying the assumptions that frame our

thinking and actions, checking out the degree to which these assumptions are accurate and valid,

and looking at our ideas and decisions (intellectual, organizational, and personal) from different

perspectives.

PO2.Effective Communication: Speak, read, write and listen clearly in person and through electronic

media in English and in one Indian language, and make meaning of the world by connecting people,

ideas, books, media and technology.

PO3. Social Interaction: Elicit views of others, mediate disagreements and help reach conclusions in

group settings.

PO4. Effective Citizenship: Demonstrate empathetic social concern and equity-centred national

development, and the ability to act with an informed awareness of issues and participate in civic life through volunteering.

PO5. Ethics: Recognize different value systems including your own, understand the moral

dimensions of your decisions, and accept responsibility for them. Manual for Affiliated/Constituent

UG & PG Colleges NAAC for Quality and Excellence in Higher Education 175

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Rahangra, Maharashtra

PO6. Environment and Sustainability: Understand the issues of environmental contexts and sustainable development.

PO7. Self-directed and Life-long Learning: Acquire the ability to engage in independent and life-long learning in the broadest context socio-technological changes.

Programme Specific Outcomes

Both theoretical and practical knowledge about general microbiology, molecular biology and biochemical techniques, which is the base for gaining scientific knowledge and insight about the subject.

To expose students to the field of microbiology and other allied life science subjects and prepare them for promising career options in research, industries and academics.

Name of the course		Industrial and Food Microbiology
Course code		BS501
CO1	Detail study on Industrial Microbiology	
CO2	Perform Microbial Fermentation processes	
CO3	Detail study on Food Microbiology	
CO4	Benefits of Probiotics	

	PO -1	PO -2	PO -3	PO -4	PO -5	PO -6	PO -7	PO -8	PO -9	PO -10
CO -1	2	2	2	0	0	0	3	0	0	2
CO -2	3	2	3	2	0	1	3	0	1	2
CO -3	2	2	1	0	2	0	3	0	0	2
CO -4	3	2	3	3	1	3	3	0	1	2
TOTAL ATTAINMENT	2.5	2.0	2.5	1.25	0.75	1.0	3.0	0.0	0.75	2.0

$WPI = \sum_j (CO_j) / 4$ (j=1 to 10 and i=1 to 4) (WPI is the Weight factor for Programme Outcome PO)



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Vengal Rao & P.L. College
Aharapuram, Narasimkonda

CLASS TIME-TABLE

Department: Microbiology

Class: Microbiology-III YEAR (V SEMESTER)

Academic Year: 2022-23

DAY / HOURS	1 (9:00AM- 9:45 AM)	2 (10:00AM- 11:45 AM)	3 (11:45 AM- 12:30 AM)	4 (1:15 PM- 2:00 PM)	5 (2:00 PM- 2:45 PM)	6 (3:10 PM- 4:00 PM)
MON	LIB			LIB		PHYSIC
TUE	LIB			LIB		
WED	LIB					
THURS		LIB				
FRI		LIB				
SAT		LIB				

Subject Code	Subject	Name of the Faculty	Signature
BS-101	INDUSTRIAL AND FOOD MICROBIOLOGY	PINEERAJA	



Principal

Vengal Rao Degree & Arts College
Gulbarga, Karnataka

KAKATIYA UNIVERSITY
B. Sc (CBCS) Microbiology – III Year
Semester-V – II (Discipline Specific Elective)
INDUSTRIAL AND FOOD MICROBIOLOGY
Theory syllabus

UNIT – I

1. Introduction to industrial microbiology: Brief history and developments in industrial microbiology.
2. Types of fermentation processes - solid state, liquid state, batch, fed-batch and continuous.
3. Types of fermenters – laboratory, pilot-scale and production fermenters. Components of a typical continuously stirred tank bioreactor.

UNIT - II

1. Isolation of industrial strains and fermentation medium: Primary and secondary screening: Preservation and maintenance of industrial strains.
2. Ingredients used in fermentation medium - molasses, corn steep liquor, whey & yeast extract.
3. Microbial fermentation processes: Downstream processing - Clarification, centrifugation, cell disruption, solvent extraction.

UNIT - III

1. Microbial production of industrial products - citric acid, ethanol and penicillin.
2. Food as a substrate for microbial growth: Intrinsic and extrinsic parameters that affect microbial growth in food.
3. Microbial spoilage of food - milk, egg, bread and canned foods.

UNIT - IV

1. Principles and methods of food preservation and food sanitation: Physical methods - high temperature, low temperature, irradiation, aseptic packaging. Chemical methods - salt, sugar, benzoates, citric acid, ethylene oxide, nitrite and nitrate.
2. Dairy products, probiotics and food-borne Diseases: Fermented dairy products yogurt, acidophilus milk, kefir, dahi and cheese.
3. Food-borne diseases, examples and control.



Principal
Vengaluri Degree & P. G. College
Nukunpura, Hanamkonda

KAKATIYA UNIVERSITY
B. Sc (CBCS) Microbiology – III Year
Semester-V – B (Discipline Specific Elective)
INDUSTRIAL AND FOOD MICROBIOLOGY

Practical syllabus

1. Microbial fermentation for the production and estimation of acetone.
2. Microbial fermentation for the production and estimation of citric acid.
3. Microbial fermentation for the production and estimation of ethanol.
4. Determination of the microbiological quality of milk sample by MDRT.
5. Isolation of fungi from spoil bread/fruits/vegetables.
6. Preparation of yogurt.

References:

7. Grieser W and Oesper A. (2000). Biotechnology: A textbook of Industrial Microbiology. 2nd Edition. Paroma Publishing Company, New Delhi.
8. Paul AIL (1995). Industrial Microbiology. 1st Edition. MacMillan India Limited Publishing Company Ltd, New Delhi, India.
9. Tortora GJ, Funke BR, and Case CL. (2000). Microbiology: An introduction. 9th Edition. Pearson Education.
10. Willey JM, Shurwood LM AND Woolverton CJ (2011). Prescott, Harley and Klein's Microbiology. 9th Edition. McGraw Hill Higher education.
11. Corio LE. (1991). Industrial Microbiology. 1st edition. Wiley Eastern Limited.
12. Stanbury JF, Whitaker A and Hall ST. (2005). Principles of Fermentation Technology. 2nd edition. Elsevier Science Ltd.
13. Adams MR and Moss MO. (1995). Food Microbiology. 4th edition. New Age International (P) Limited Publishers, New Delhi, India.
14. Basuani HC. (1987). Basic Food Microbiology. 1st edition. CBS Publishers and Distributors, Delhi, India.
15. Topley WC and Whitham UC. (1992). Food Microbiology. 1st edition. Tata McGraw-Hill Publishing Company Ltd, New Delhi, India.
16. Jay JM, Lunsener MJ and Golden DA. (2007). Modern Food Microbiology. 7th edition. Cengage Publishers and Distributors, Delhi, India.


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Kakatiya Degree & PG College,
Channarayana, Nidadavolu

TEACHING PLAN:

Sl. No.	Topic / Topic	Starting / Planned or Date	No. of Periods Planned	Course Outcomes	Teaching Aids used	Bibliography
1	<p>Introduction to Industrial microbiology: Brief history and developments in industrial microbiology.</p> <p>Types of fermentation processes - solid state, liquid state, batch, fed-batch and continuous.</p> <p>Types of fermenters - laboratory, pilot-scale and production fermenters.</p> <p>Components of a typical continuously stirred tank bioreactor.</p>	<p>16/08/22</p> <p>TO</p> <p>16/09/22</p>	21	CO1, CO3	BLACK BOARD, CHALK AND DUSTER	Torrora GT, Funke BR, and Case CL (2008)
2	<p>Isolation of industrial strains and fermentation medium: Primary and secondary screening. Preservation and maintenance of industrial strains.</p> <p>Ingredients used in fermentation medium - molasses, corn steep liquor, whey & yeast extract.</p> <p>Microbial fermentation processes: Downstream processing - filtration, centrifugation, cell disruption, solvent extraction.</p>	<p>16/09/22</p> <p>TO</p> <p>03/10/22</p>	23	CO1, CO2, CO3	BLACK BOARD, CHALK AND DUSTER, ICT CLASS ROOM	Puri AJL (1996)



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Kothuru, Nellore, Andhra Pradesh

3	Microbial production of industrial products - citric acid, ethanol and penicillin. Food as a substrate for microbial growth: intrinsic and extrinsic parameters that affect microbial growth in food. Microbial spoilage of food - milk, egg, bread and canned foods.	AY10/22 TO 1/11/22	23	CO1, CO2, CO4	BLACK BOARD, CHALK AND DUSTER	Third year Microbiology
4	Principles and methods of food preservation and food sanitation: Physical methods - high temperature, low temperature, irradiation, aseptic packaging. Chemical methods - salt, sugar, benzoates, citric acid, ethylene oxide, nitrite and nitrate. Dairy products, probiotics and food-borne Diseases/Fermented dairy products yogurt, acidophiles milk, kefir, dahi and cheese. Probiotics definition, examples and benefits.	03/11/22 TO 18/12/22	20	CO1, CO2, CO4	BLACK BOARD, CHALK AND DUSTER	Applied microbiology R.P Singh

List of Recommended Text Books

S/N Q	Name of the Book	Author
1	Tortora GJ, Funke BR, and Case CL (2008).	Microbiology: An introduction, 9th Edition, Pearson Education
1	Patel AH (1996).	Industrial Microbiology, 1st Edition, Maanikhan India Limited Publishing Company Ltd, New Delhi, India
3	Third year Microbiology	Vaigyan Academy

List of Reference Text Books


Principal
Vaughan College of Education
Kharagpur, Jharkhand

S.N O	Name of the Book	Author
1	Modern Food Microbiology, 7th edition, CBS Publishers and Distributors, Delhi, India.	Ivy IM, Leestner MJ and Golden DA. (2005).
2	Food Microbiology, 3rd edition, Tata McGraw-Hill Publishing Company Ltd, New Delhi, India.	Foster WC and Westhoff DC. (1992).
3	Basic Food Microbiology, 1st edition, CBS Publishers and Distributors, Delhi, India.	Barwell IM. (1980).

List of URL's to be Referred

S.N O	Name of the URL
01	https://www.diffinition.com/what-is-the-cause-of-microbiology-food-microbiology-food-spoilage
02	https://useindiaexpress.com/india-express-and-destinations/
03	https://www.biototechnology.com/industrial-biorechemistry/1111-11/acid-and-structure-function-relationship-and-use-in-food-industry-biorechemistry/111111


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Karnal District, Haryana

**METHODOLOGY FOR CONTINUOUS INTERNAL
EVALUATION & EXTERNAL ASSESSMENT:**

SNO	NAME OF THE EXAM	MAX MARKS
01	Unit test	20
02	Internal examinations	20
03	Pre final examinations	80

RECORD OF TUTORIAL CLASSES CONDUCTED

SNO	DATE	NAME OF FACULTY	TUTORIAL TOPIC
1	16/08/2022	P.NEERAJA	Type of fermentation processes
2	19/08/2022	P.NEERAJA	Type of fermentation
3	26/09/2022	P.NEERAJA	Isolation of industrial strains and fermentation medium
4	28/09/2022	P.NEERAJA	Downstream processing - filtration, centrifugation, cell disruption, solvent extraction
5	02/10/2022	P.NEERAJA	Intrinsic and extrinsic parameters that affect microbial growth in food
6	10/10/2022	P.NEERAJA	Microbial spoilage of food - milk, egg,
7	18/10/2022	P.NEERAJA	Principles and methods of food preservation and food sanitation



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9	25/11/2022	P.NEERAJA	Chemical methods - salt, sugar, bicarbonates, citric acid, ethylene oxide, nitrate and nitrite.
10	08/11/2022	P.NEERAJA	Preparation and maintenance of industrial stains.
10	16/11/2022	P.NEERAJA	Components of a typical continuously stirred tank bioreactor.
11	22/11/2022	P.NEERAJA	Food and canned foods.

RECORD OF MAKEUP CLASSES CONDUCTED

Date: 5/11/2023

Academic Year: 2022 - 2023

Period: From: 9:10 PM To: 1:00 PM

Faculty Name: P.NEERAJA

Reason: LESS SCORE IN FIRST INTERNAL

Total Duration: 1 HOUR

Students Details:

Sl No.	Roll No.	Name of the Student
1	086203106	GAYA PARESHITHA
2	086203110	MAADAN HARISH
3	086203111	MANGAMANI ASHVINI
4	086203112	MAATHIENA PRIYANDEVA

Date: 12/11/2022

Academic Year: 2022 - 2023

Period: From: 3:00 PM To: 4:00 PM


Faculty Name: P.NEERAJA

Reason: LESS SCORE IN SECOND INTERNAL

Total Duration: 1

Students Details:

Sl No.	Roll No.	Name of the Student
1	086203133	VELPULA MADHUKAR
2	086203101	ARANKOUGA PULSAR
3	086203002	CASARI MANASINI
4	086203103	KARIMATLA JIHANABI


Principal
Mangalvi Dourm & P.D. N.
Vijayawada, T.N.

RECORD OF STUDENT SEMINARS

ROLL NO	NAME OF THE STUDENT	TOPIC
080203103	BETHI SAI VARDHAN	DESIGN OF FERMENTER
080203104	BURNA DEEKSHITHA	FOOD PRESERVATION
080203105	GANGARAJU AKSHAYA	FOOD SPOILAGE
080203106	GAYA RAMSHITHA	INDUSTRIAL PRODUCTION
080203107	GOUDHALA HANNA	TYPE OF FERMENTATIONS

VAAGDEVI DEGREE & PG COLLEGE, HANAMKONDA

III yr B.Sc (Microbiology)

V SEM - INDUSTRIAL & FOOD MICROBIOLOGY

I-INTERNAL

NAME

HT NO

Max Marks: 20 Marks

COURSE:

Time: 00 min

1. Solid state fermentation
2. Batch fermentation
3. Continuous fermentation
4. Laboratory fermenter
5. Stirred tank bioreactor
6. Screening
7. Strain improvement
8. Fermentation media
9. Downstream process
10. Centrifugation

[Signature]

Asst. Professor
Vaagdevi Degree & P.G. Coll.
Hanamkonda

VAAGDEVI DEGREE & PG COLLEGE, HANAMKONDA
III B. Sc (MICROBIOLOGY) - V SEM
INDUSTRIAL MICROBIOLOGY AND FOOD MICROBIOLOGY

UNIT TEST-I

Answer the following questions

Each question carries 5 marks

2x5 = 10 marks

1. Write about the design of fermenter?
2. Write about the concept of aeration?

VAAGDEVI DEGREE & PG COLLEGE, HANAMKONDA
III yr B.Sc (Microbiology)
V SEM - INDUSTRIAL & FOOD MICROBIOLOGY
II - INTERNAL

NAME: _____
HT.NO: _____
Max Marks: 20 Marks

COURSE: _____
Time: 90 mins

[Signature]

1. Citric acid Production
2. Ethanol Production
3. Penicillin Production
4. Microbial Spoilage of food
5. Canned Goods
6. Food Preservation
7. Probiotics
8. Dairy Products
9. Kefir
10. Cheese

VAAGDEVI DEGREE & PG COLLEGE, HANAMKONDA
III Yr B. Sc (MICROBIOLOGY) - VI SEM
INDUSTRIAL MICROBIOLOGY AND FOOD MICROBIOLOGY

UNIT TEST-II

Answer the following questions

2x5 = 10 marks

Each carries 5 marks

1. Write about the production of Ethanol.
2. Give a detail note on probiotics.

VAAGDEVI DEGREE & PG COLLEGE, HANAMKONDA
III yr B.Sc-(MICROBIOLOGY)
Pre-Final Examinations
(INDUSTRIAL & FOOD MICROBIOLOGY) PART-B

[Time: 30 mins.]

[Total Marks: 80]

[Marks: 4x10=40]

Section A
 (Short Answer Questions)
 Answer any questions

Start to write



- 2. CONTINUOUS STIRRED TANK REACTOR
- 3. PRIMARY SCREENING AND SECONDARY SCREENING
- 4. MAINTAINANCE OF PURE CULTURES
- 5. DESIGN
- 6. PHYSICAL AND EXTENSIVE FOOD FACTORS
- 7. MICROBIAL MILK
- 8. LECTURE

Section B

(Marks: 12-48)

(Easy Type Answer Questions)

Answer All Questions

- 9. DESIGN OF FERMENTER AND TYPES OF FERMENTOR?
- 10. DOWNSTREAM PROCESSING
- 11. FOOD SPOILAGE AND TYPES OF FOOD SPOILAGE?
- 12. FERMENTED FOODS AND TYPES OF FERMENTED FOODS FROM MILK ?

STUDENT PROGRESSION AND MARKS STATEMENT

B.Sc. (HONOR) IN MICROBIOLOGY & BIOTECHNOLOGY - V SEM

ROLL NO.	NAME OF THE STUDENT	UNIT TEST-1	INTERNAL EXAM-1	UNIT TEST-2	INTERNAL EXAM-2
088203101	AFREEN	12	18	17	18
088203102	DANIJAT KHAN	15	17	16	19


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Gadgaon, Warananagar

PS IN MLC & MIZC & MISCY - I SEM

W.S.O	NAME OF THE STUDENT	UNIT TEST-1	INTERNAL EXAM-1	UNIT TEST-2	INTERNAL EXAM-2
88213001	ARREEM PRATHYUSHA	13	18	13	18
88213002	BURA SATVKA	16	17	16	19
88213003	CHEMVARONA SHRAVYA	16	17	14	18
88213004	CHEGGIPALLY ANJALI	18	23	13	13
88213005	EKA POOJA	15	16	18	19
88213006	GADDAN RAVALI	19	20	18	20
88213007	JAMPALA VISHAL	18	18	19	18
88213008	KAPIL DEKA	20	19	20	19
88213009	KEERTHI LOJALA	10	18	15	13
88213010	KONDA KEERTHANA	8	17	15	18
88213011	KOVATL NANDINI	11	17	14	16
88213012	KOVVALA PRANAY	8	17	17	18
88213013	MADURERODITH KUMARI	13	16	16	19
88213014	MARVALA BHAKTH KUMARI	18	15	15	15
88213015	MEKALA ROHITH	15	15	13	18
88213016	MOHAMMED RABIYA	19	27	18	15
88213017	MUTHUKRUPREETHU	10	17	14	18
88213018	MUTTAGALA SWARNAN	13	18	13	19
88213019	NARASIMHULA ANILYA	18	17	18	18
88213020	NARHITA VARENHITHA	16	17	18	18
88213021	PAATALA VOURNKA	18	17	17	18
88213022	PACHALA LOKITHA	15	16	18	18
88213023	POOTA TARATSUM	17	18	19	18
88213024	SRIDU BHAVYA SR	19	18	15	18


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Khalunjeru, Chinnamangudi

086213025	VANGALA VIKRAM	15	18	12	19
086213026	VENNA SRIRAM	16	19	16	18
086213027	VENNAM SRI KAVYA	16	17	14	18
086213801	CHETTUPALLY MEERANATH	16	17	17	18
086213807	DOU VARSHINI	15	15	18	19
086213809	ENDLA RAMESH	17	18	19	18
086213804	ESI AVATH SHIVAJUMAR	15	18	17	18
086213805	GADDAM SRICHARAN	15	18	15	18
086213806	EDDI KISHITA MADHURI	16	17	16	19
086213807	PALA ANJULA	16	17	14	18
086213808	PERANAM VINAY	18	17	17	18
086213809	REKARI ARHILA	15	16	18	19
086213809	SADHAM SATEJA	17	18	19	18
086213809	KALUJULA KISHA	15	18	18	18
086213804	KATLA NAVYA	16	17	18	16
086213805	MUTHUPENI APARNA	16	17	18	8
086213806	RAMANCHA SUMANTH	18	17	17	8
086213851	REKHA SAI CHARAN	18	17	17	8
086213452	CHAPATHI LAXMI PRASANNA	15	16	14	9
086213453	MOHRI RAJUMAR	17	18	19	18
086213481	CHERUKU NIKHITA	15	18	15	18
086213482	GORE SRIKANTH	16	17	16	19
086213483	ITHA ANJALIYA	16	17	14	18
086213484	NAMINDLA AKHIL	16	17	17	18
086213551	ROHINI ANKITHA	15	16	18	19
086213632	DASBETHA NAGARAJU	17	18	18	18
086213651	BUDDULA PRIYAVALLIKA	18	17	17	18



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Vengal Rao

10/11/2023

086213654	DRISAM AGATHKA	15	16	18	19
086213653	GONDETH SREERINA	12	18	19	18
086213658	KANDAMULA LAKSHMI PONA	19	18	15	18
086213657	KODURU BHUVANA PRIYA	24	12	10	18
086213656	MALLA ANJAYAN TEJA	16	12	14	18
086213655	NEVURI LAKSHI	18	17	17	18
086213660	RAYAMULA GEETHANJALI	18	15	17	18
086213659	THALLAPALLY MOUMYK	15	16	18	18
086213662	VATURULA RUCHITHA	12	14	14	18
086213660	VARADACHARI SRIKANTH	15	18	15	18
086213781	KANDULA SRIDHAR KALU	14	12	14	18
086213780	TEVU MANAWITHA	18	12	12	18
086213782	TEJA PRASHANTH	15	16	18	18
086213783	THUDALA SAIKARAN	17	18	18	18
086213784	GIRIMALLA PAVAN	15	18	15	18
086213783	ESAMPALLY KARTHIK	15	14	15	18



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Vasanthi Degree & P.O. College
Kichimurthy, Khammam

Teaching Notes

Unit no.	Topics	Syllabus	Hours allotted	Hours taught	Extra hours taken	Remarks
UNIT - I	Introduction to Industrial microbiology	Brief history and developments in industrial microbiology. Types of fermentation processes - solid state, liquid state, batch, fed batch and continuous. Types of fermenters - laboratory, pilot-scale and production fermenters. Components of a typical continuously stirred tank bioreactor.	11	11		
UNIT - II	Isolation of industrial strains and fermentation medium.	Primary and secondary screening. Preservation and maintenance of industrial strains. Ingredients used in fermentation medium - molasses, whey, steep liquor, whey, yeast extract. Microbial fermentation processes: Downstream processing - filtration, centrifugation, cell disruption, solvent extraction.	11	11		

S. S. S. S. S.

Signature of
Assistant Professor
Department of Microbiology

Unit III	Microbial production of industrial products:	Citric acid, ethanol and penicillin. Food as a substrate for microbial growth Intrinsic and extrinsic parameters that affect microbial growth in food. Microbial spoilage of food - milk, eggs, bread and canned foods	9	9		
Unit IV	Principles and methods of food preservation and food sanitation:	Physical methods - high temperatures, low temperature, irradiation, aseptic packaging. Chemical methods - salt, sugar, benzoates, citric acid, organic acids, sorbate and others. Dairy products, probiotics and Food-borne Diseases. Fermented dairy products - yogurt, acidophilus, milk, kefir, dahi and cheese. Probiotics - definition, examples and benefits.	11	11		

Dr. A. Lakshmi
Asst. Prof. of Microbiology
VOS, Dept. of Microbiology

A. Lakshmi
Principal
Vengal Rao Engineering College
Kothagiri, Karnataka



VAAGDEVI DEGREE & PG COLLEGE



DIST: HANUMAKONDA, TELANGANA STATE - 506001

(Affiliated to Kakatiya University, Warangal)

(e-mail: contact@vaagdevicolleges.com)

website: www.vaagdevicolleges.com)

Criterion: I

Teaching Plans

Physics

COURSE FILE

AY 2022 - 2023

MSc(Physics)

Semester-III

Paper- I

Mathematical Physics

VAAGDEVI DEGREE & PG COLLEGE
DEPARTMENT OF PHYSICS
COURSE FILE-I SEM-MATHEMATICAL PHYSICS 2022-2023

Name of the faculty	M. GOPI KRISHNA
Designation	ASSISTANT PROFESSOR
Email	pintoomora@gmail.com
Course code	101
Course Title	Mathematical Physics
ACADEMIC YEAR / SEMESTER	2022-23 / I-Sem
NUMBER OF INSTRUCTIONAL HOURS	60

1. INTRODUCTION TO THE COURSE:

Mathematical physics refers to the development of mathematical methods for application to problems in physics. The Journal of Mathematical Physics defines the field as "the application of mathematics to problems in physics and the development of mathematical methods suitable for such applications and for the formulation of physical theories". An alternative definition would also include those mathematics that are inspired by physics.

Vision

To be a center of excellence in value based holistic quality education carving research, innovation and entrepreneurial attitude that transforms students into globally competent society sensitized graduates.

Mission

- To create a student centric institute support with innovative student pedagogy
- To maximize the utilization of the state-of-the-art infrastructure for the overall development of individuals.
- To encourage independent thinking and application-oriented collaborative research in the areas of contemporary interest to contribute to the development of the region and the nation.
- To provide effective teaching & learning environment for training graduates with values, entrepreneurial attitude and globally employable skills.

- To encourage participation in games & sports, co-curricular and extra-curricular activities resulting in overall personality development.

Program Outcomes (P.O.)
<p>PO1 To create, apply, and disseminate knowledge of physics in theoretical and experimental domains under different specializations.</p> <p>PO2 To develop the ability to identify, formulate, analyze and solve problems in theoretical and experimental domains of physics at both curricular and research levels through critical thinking.</p> <p>PO3 To enable students to apply ICT-based skills and make them scientific software literate to use in academics.</p> <p>PO4 To encourage research culture, provide research ambience and develop related technical proficiency.</p> <p>PO5 To develop an attitude to pursue further research and find placement avenues.</p> <p>PO6 To inculcate academic and social ethical values among the students</p>
Program Specific Outcomes (PSO)
<p>PSO1 Students can apply the knowledge of core concepts of physics in semester exams, in the N.E.T., S.E.T. and GATE, national level exams, as well as in the research level projects work which is suitable to communicate/present further in workshops and conferences</p> <p>PSO2 Through assignments, NET-SET coaching workshops and research-based project work in both theoretical and experimental domains, students can reveal analytical skills and critical thinking</p> <p>PSO3 In day to day's access to study material through presentations, students are capable enough to make use of PowerPoint presentations, Moodle (L.M.S.), and Web-based academic links and can also get hands-on experience of using proprietary software like MATLAB, and Mathematica under experiential learning.</p>
<p>PSO4 Through the research culture of the department and skills acquired therein, students are capable of sustaining subsequent academic progression inside the country and overseas as well</p> <p>PSO5 Regular practice of Self-declaration of the authenticity, uniqueness of project work, plagiarism check</p>

Course Outcomes		
Semester-I		
Course code	Course title	Course outcomes
101	Mathematical Physics	1. Students can understand the different ways of solving first and second-order differential equations. 2. Students can understand and solve the problems based on special functions like Hermite, Bessel, Laguerre and Legendre functions. 3. Students can understand fundamentals of Hypergeometric functions and applications 4. Students can understand fundamentals and applications of the Fourier series, Fourier and Laplace transform, their inverse transforms etc.

VAAGDEVI DEGREE AND PG COLLEGE

Kishanpura, Hanamkonda

MSc(Physics) Sem-I Time table (2022-23)

	9:50AM - 10:40AM	10:40AM - 11:30AM	11:30AM - 12:20PM	12:20PM - 1:10PM	1:10PM to 4:00PM
MON	1.1-MAP(Gopi)	1.2-CME(Rani)	1.3-SPH(Suresh)	LUNCH	GP Lab: G.Saritha V.Roja B.Sravya Ele Lab: K. Manjula H.Navya D.Brahmalika
TUES	1.1-MAP(Gopi)	1.2-CME(Rani)	1.3-SPH(Suresh)		
WED	1.1-MAP(Gopi)	1.4-EDE(S.Anusha)	Seminar Iyr(SL Lavanya)		
THUR	1.1-MAP(Gopi)	1.4-EDE(S.Anusha)	Seminar Iyr(SL Lavanya)		
FRI	1.3-SPH(Suresh)	1.4-EDE(S.Anusha)	1.2-CME(Rani)		
SAT	1.3-SPH(Suresh)	1.4-EDE(S.Anusha)	1.2-CME(Rani)		

HOD

Department of Physics & Electronics

Principal

Vaagdevi Degree & PG College

Subject Code	Subject	Name of the Faculty	Signature
101	MATHEMATICAL PHYSICS	M. GOPI KRISHNA	

**M.Sc. (Physics) I - Semester Syllabus under CBCS pattern
(For 2021-22 academic year onwards)**

1.1: MATHEMATICAL PHYSICS

UNIT I: LEGENDRE AND BESSEL DIFFERENTIAL EQUATIONS (12 Hrs)

Legendre differential equation and Legendre functions, Generating function of Legendre polynomials, Rodrigues formula for Legendre polynomials, orthogonality property of Legendre polynomials, recurrence formula, Power series solution equation -Bessel functions of First and Second kind -Generating function - Orthogonality - Neumann functions - Hankel functions -modified Bessel functions - Spherical Bessel functions - Recurrence relations.

UNIT II: LAGUERRE AND HERMITE DIFFERENTIAL EQUATIONS (12 Hrs)

Laguerre differential equations and polynomials, Generating function for Laguerre polynomials, recurrence relation, Rodrigues formula for Laguerre polynomials, orthogonality property, Hermite differential equation and polynomials, Generating function for Hermite polynomials, Integral formula for Hermite polynomial, Recurrence formula, Rodrigues formula, orthogonality of Hermite polynomials.

UNIT III: VARIABLE FUNCTIONS: (12Hrs)

Hypergeometric equation, Hypergeometric functions, Differentiation of hyper geometric function and its integral representation, linear transformations, representation of various functions in terms of hyper geometric functions, confluent hyper geometric functions, representation of various functions in terms of hyper geometric functions, Beta and gamma functions: symmetry property, evaluation and transformation of Beta function, evaluation of gamma function, transformation of gamma function, relation between beta and gamma functions, Evaluation of integrals using Beta & gamma functions.

UNIT IV: FOURIER AND LAPLACE TRANSFORMATION (12Hrs)

Integral transforms, Fourier transforms and their properties, Convolution theorem for Fourier transforms, Parseval's theorem, Simple applications of Fourier transforms, Evaluation of integrals, solution of boundary value problems, Laplace transforms and their properties, Laplace transforms of derivatives and integrals, Laplace transform of periodic functions, initial and final value theorems, Laplace transform of some special functions, inverse Laplace transforms, Convolution theorem.

Recommended Books:

1. Mathematical methods for Physicists – George B. Arfken & H.J.Welsh (Academic Press)
2. Mathematical methods in Physics and Engineering – L. A. Pipes
3. Mathematical Physics -Narayanaiah (S. Chand)
4. Mathematical Physics – B. D. Gupta (Vikas Publishing House Pvt.Ltd.)

TEACHING PLAN:

Sl No	Unit / Topic	Teaching Planned on Date	No of Periods Planned	Course Outcomes	Teaching aids used	Books Referred
1	Unit I : Legendre differential equation and Legendre functions, Generating function of Legendre polynomials, Rodrigues formula for Legendre polynomials, orthogonal property of Legendre polynomials, recurrence formula. Bessels function of first and second kind, Generating function, Orthogonality, Numman function, Henkel functions, Modified bessels fuctions, Spherical functions, Recurrence formula	1/11/2022 to 24/11/2022	15	CO1, CO2	BLACK BOARD, CHALK AND DUSTER , ICT CLASS ROOM	<ul style="list-style-type: none"> Mathematical Physics by Satyaprakash Mathematical Physics by B.D. Gupta
2	Unit II : Laguerre differential equations and polynomials, Generating function for Laguerre polynomials, recurrence relation, Rodrigues formula for Laguerre polynomials, Orthogonality property. Hermite differential equation and polynomials, Generating function for Hermite polynomials, Integral formula for Hermite polynomial, recurrence formula, Rodrigues formula, orthogonality of Hermite polynomials.	28/11/2022 to 21/12/2022	15	CO2	BLACK BOARD, CHALK AND DUSTER , ICT CLASS ROOM	<ul style="list-style-type: none"> Mathematical Physics by Satyaprakash Mathematical Physics by B.D. Gupta
3	Unit III : Hypergeometric equation, Hypergeometric function: Differentiation of hyper, geometric function and its integral representation, linear transformations, representation of various functions in terms of hyper geometric functions, confluent hyper geometric functions, representation of various functions in terms of hyper geometric functions. Beta and gamma functions: symmetry property, evaluation and transformation of Beta function, evaluation of gamma function, transformation of gamma function, relation between beta and gamma functions. Evaluation of integrals using Beta & gamma functions.	22/12/2022 to 24/01/2023	17	CO3	BLACK BOARD, CHALK AND DUSTER	<ul style="list-style-type: none"> Mathematical Physics by Satyaprakash Mathematical Physics by B.D. Gupta
4	Unit IV : Integral transforms, fourier transforms and their properties, convolution theorem for Fourier transforms, Parseval's theorem, simple applications of Fourier transforms. Evaluation of integrals, solution of boundary value problems. Laplace transforms and their properties, Laplace transform of derivatives and integrals. Laplace transform of periodic functions, initial and final value theorem, Laplace transform of some special functions, inverse Laplace transforms, Convolution theorem.	25/01/2023 to 16/02/2023	13	CO4	BLACK BOARD, CHALK AND DUSTER	<ul style="list-style-type: none"> Mathematical Physics by Satyaprakash Mathematical Physics by B.D. Gupta

List of Recommended Text Books

SNO	Name of the Book	Author
1	Mathematical methods for Physicists	Geroge B.Arflen & H.J. Weber
2	Mathematical Physics	Satyaprakash

List of Reference Text Books

SNO	Name of the Book	Author
1	Mathematical Physics	Satyaprakash
2	Mathematical Physics	B.D. Gupta

List of URL's to be Referred

SNO	Name of the URL
01	https://www.youtube.com/watch?v=clymUA0hu4s
02	https://www.youtube.com/watch?v=EDVJotmT584

METHODOLOGY FOR CONTINUOUS INTERNAL EVALUATION & EXTERNAL ASSESSMENT:

SNO	NAME OF THE EXAM	MAX MARKS
01	Unit test	10
02	Internal examinations	20

RECORD OF TUTORIAL CLASSES CONDUCTED

SNO	DATE	NAME OF FACULTY	TUTORIAL TOPIC
1	1/11/22	M. GOPI KRISHNA	Legendre differential equation
2	7/11/22	M. GOPI KRISHNA	Orthogonality
3	15/11/22	M. GOPI KRISHNA	Bessels function
4	22/11/22	M. GOPI KRISHNA	Generating function, Orthogonality
5	28/11/22	M. GOPI KRISHNA	Lauagurre polynomials
6	30/11/22	M. GOPI KRISHNA	Beta and gamma function, its properties
7	5/12/22	M. GOPI KRISHNA	Evaluation of integrals
8	12/12/22	M. GOPI KRISHNA	Hypergeometric function
9	2/1/23	M. GOPI KRISHNA	Gauss hypergeometric function
10	4/2/23	M. GOPI KRISHNA	Fourier transforms
11	10/2/23	M. GOPI KRISHNA	Laplace transforms
12	14/2/23	M. GOPI KRISHNA	Inverse laplace transforms

VAAGDEVI DEGREE& PG COLLEGE
KISHANPURA, HANAMKONDA
INTERNAL ASSESSMENT – I
(AY 2022 – 2023)
M.Sc (PHYSICS)
SEMESTER – I
PAPER – I
(MATHEMATICAL PHYSICS)

Time: 90 Minutes

Max.marks: 20

Answer all questions.

Each question carries 2 marks.

1. Show that $P_n(1) = 1$
2. Show that $H'_n(x) = 2xH_n(x) - H_n(x)$
3. Show that $H_{2n}(0) = (-1)^n \frac{2n!}{n!}$
4. Show that $H'_n(x) = 2xH_n(x) - H_n(x)$
5. Show that $H_n(x) = (-1)^n H_n(x)$
6. Using Rodrigues formula, show that $\int_{-1}^1 P_0(x) dx = 2$
7. Define beta function
8. Show that $\beta(m,n) = \beta(n,m)$
9. Show that $(n+1)L_{n+1}(x) = (2n+1-x)L_n(x) - nL_{n-1}(x)$
10. Show that $\Gamma n = (n-1)!$

VAAGDEVI DEGREE& PG COLLEGE
KISHANPURA, HANAMKONDA
INTERNAL ASSESSMENT – II
(AY 2022 – 2023)
M.Sc (PHYSICS)
SEMESTER – I
PAPER – I
(MATHEMATICAL PHYSICS)

Time: 90 Minutes

Max.marks: 20

Answer all questions.

Each question carries 2 marks.

1. Show that ${}_2F_1(0, \beta, \gamma; x) = 1$
2. Show that $e^x = {}_1F_1(\alpha, \alpha; x)$
3. Show that $\frac{d}{dx} [{}_1F_1(\alpha, \gamma; x)] = \frac{\alpha}{\gamma} {}_1F_1(\alpha + 1, \gamma + 1; x)$
4. Show that ${}_2F_1(\alpha, \beta, \gamma; x) = {}_2F_1(\beta, \alpha, \gamma; x)$
5. Write hyper geometric function
6. Define Laplace transform
7. Find the Laplace transform of $\sinh at$
8. Show that Fourier transform of $f(t) \cos at = \frac{1}{2} g(\omega - a) + \frac{1}{2} g(\omega + a)$
9. Find the Laplace transform of $e^{at} \cos \omega t$
10. State Convolution theorem.

Teaching Notes

Unit no	Topics	Synopsis	Hours allotted	Hours taught	Extra hours taken	Reason
UNIT-I	Legendre and Besells differential equation and polynomials	Generating function, ,Rodrigues formula , orthogonal property of Legendre and Bessels polynomials	15	15		
UNIT-II	Laguerre differential equations and polynomials, Hermite polynomials	Generating function, ,Rodrigues formula , orthogonal property Laguerre polynomials, Hermite polynomials	15	15		
UNIT-III	Hypergeometric equation and function, Confluent hyper geometric functions, Beta and gamma functions	Differentiation and integration, linear transformations, representation of various functions of hyper geometric function, Confluent hyper geometric functions, representation of various functions in terms of hyper geometric functions. Beta and gamma functions and their properties	17	17		
Unit IV	Fourier transforms and Laplace transforms	Fourier transforms and their properties, convolution theorem for Fourier transforms, Parseval's theorem, Laplace transforms and their properties, inverse Laplace transforms, Convolution theorem.	13	13		

VAAGDEVI DEGREE & PG COLLEGE
DEPARTMENT OF PHYSICS
COURSE FILE-V SEM
DIGITAL ELECTRONICS - MICROPROCESSORS-2022-2023

Name of the faculty	K. Keerthana
Designation	ASSISTANT PROFESSOR
Email	keerthanakurroju@gmail.com
Course code	DSC-2E
Course Title	Digital Electronics & Microprocessor
ACADEMIC YEAR / SEMESTER	2022-23 / Semester - V
NUMBER OF INSTRUCTIONAL HOURS	

1. INTRODUCTION OF THE COURSE:

This course has two segments. The first one is digital electronics and the second segment is about the fundamentals of microprocessors(8085). This digital electronics section covers the operation, application, and troubleshooting of TTL and CMOS electronic logic devices, their use in combinational and sequential logic circuits, the interface between the logic families, and the interface between digital and analog circuits. The second segment ie fundamentals of microprocessors covers the study of 8085 architecture, functional diagram details, instruction types with simple programming, addressing modes, interfacing with memories and the timing diagram. Interfacing with peripheral devices like 8255 and it also includes some assembly language programs.

Vision

to facilitate state of the art technical education in the field of Electronics by infusing scientific temper in the students leading towards research and to grow as centre of

excellence in the field and to provide education to students that is directly applicable to problems and situations encountered in real life and thus foster a successful career.

Mission

- Establish a scintillating learning environment to produce quality graduates with passion for knowledge and creativity in the field of Electronics
- Impart quality education through periodically updated curriculum to meet the challenges of the industry and research at the global level.
- To engage modern education aids, laboratories and competent faculty ensuring effective teaching learning process to meet the ever growing and changing industrial and business environment.
- To continuously challenge the young minds with ideas so as to carry out innovative research through interaction with the research organizations

PROGRAM OUTCOMES

1. **Identify and Formulate:** Utilize a fundamental understanding of electronics to identify and analyze ordinary Electronic issues, including maintenance and repair, testing, calibration, simulation, and PCB design for the embedded system applications.
2. **Discipline-specific expertise:** Identity, develop, and solve industrial and systems-related electronics and electrical problems
3. **Experiments and practice:** Conduct experiments on electronics and interfacing of devices and systems and practice techniques, similarly, analyse data and write a report.
4. **The engineer and society:** Demonstrate social, health, safety, and maintenance-related skills.
5. Instruments for the medical field, consumer electronics, security services, and communication services.

6. **Environment and sustainability:** design, evaluation, and implementation of electronic and telecom systems in order for sustainable development to satisfy desired objectives within actual constraints such as economic, environmental, and social constraints, public health, and safety factors to consider.
7. **Ethics:** Adhere to professional ethics and societal obligations while handling day-to-day problems in the workplace, electronics, and Communication Engineering field
8. **Individual and team performance:** Contribute successfully as a team member or leader in diverse/multidisciplinary environments to accomplish the goals in several areas, such as circuit design, testing, debugging, and manufacturing. It is necessary to form technical teams.
9. **Communication:** Effectively communicate orally and in writing using approaches such as Composing reports, proposals, drawings, plans, presentations, directions, and feedback, among other documents.
10. **Lifelong learning:** Maintain currency via self-improvement and lifelong learning activities.

PROGRAM-SPECIFIC OUTCOMES

<p>Program Specific Outcomes – B.Sc (Electronics)</p>	<p>Students who choose to major in electronics will gain a complete grasp and appreciation in the following areas:</p> <ul style="list-style-type: none"> • Identify analog and digital electrical signals. • Explain the operation of digital logic gates. • Use Boolean algebra to express logic operations as equations. • Use Karnaugh maps to minimize Boolean equations. • Identify combinational logic circuits and sequential logic circuits, and explain their operation. • Identify commonly used integrated circuit families used in digital equipment. • To become familiar with the architecture and Instruction set of Intel 8085 microprocessor. • To expose students, to the operation of typical 8085 microprocessor trainer kit. • To provide practical hands on experience with Assembly Language Programming. • Develop and test assembly language programs to use instructions of 8085. • Get familiarize with interfacing of various peripheral devices with 8085 using 8279 chip.
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Program objectives and Course outcomes mapping

ASSESSMENT LEVELS: 0 – NOT MAPPED; 1 –MAPPED AT WEAK LEVEL; 2 – MAPPED AT MODERATE LEVEL; 3 – MAPPED AT SATISFACTORY LEVEL

COURSE TITLE	COURSE CODE	COURSE OUTCOMES
Digital Electronics & Microprocessor	BS 505-ELE	<p>CO1: To understand the use of number systems in digital electronics and to know the characteristics of different logic families. To understand the operation of logic gates.</p> <p>CO2: To analyze and simplify the logic expressions and to get the basic idea about multiplexer, demultiplexer, encoder and decoder.</p> <p>CO3: To understand the operation of various flip-flops and to get a brief idea about registers and counters.</p> <p>CO4: To understand the basic architecture of 8085 microprocessor and to get the ability to write simple assembly language programs.</p>

CLASS TIME-TABLE

Department: PHYSICS & ELECTRONICS

Class: MECs- III YEAR (SEMESTER-V)

Academic Year: 2022-2023

DAY / HOURS	1 (9.00AM- 9.50 AM)	2 (9..50AM- 11.40 AM)	3 (11.40 AM- 12.30 AM)	4 (1.30 PM- 2.20 PM)	5 (2.20 PM- 3.10 PM)	6 (3.10 PM- 4.00 PM)
MON	ELE			ELECTRONIC LAB		
TUE	ELE			ELECTRONICS LAB		
WED	ELE					
THURS	ELE					
FRI						
SAT						

Subject Code	Subject	Name of the Faculty	Signature
BS-505		K. Keerthana	

B.Sc. (Electronics) - III Year

Semester – V

**Paper – V) (A) Digital Electronics & Microprocessor
(ISE-E: Compulsory)**

Total Marks
(100/100)

UNIT-I (12 Marks)

Number systems and Logic gates: Conversion of binary, octal, decimal & hexadecimal number systems, Binary addition and subtraction (1's and 2's complement methods).

Logic gates: OR, AND, NOT, XOR, NAND, NOR gates and their truth tables, Design of logic gate using the universal gates NAND and NOR gates, Half adder, Full adder and parallel adder logic circuits, Logic families and their characteristics: TTL, CMOS and ECL logic circuits.

UNIT-II (12 Marks)

Boolean algebra and Combinational logic circuits: Boolean algebra – Laws and identities, De Morgan's Theorem, Simplification of Boolean expressions using Boolean theorems, Reduction of Boolean expressions using Karnaugh Maps, Sum of Products (SOP) minimization up to four variables, Minterms, De-Morgan's Theorem (1 to 4) and Maxterms (3 to 4).

UNIT-III (16 Marks)

Sequential logic circuits: Flip-flops: SR, D, JK, T, JK and JK Master-slave, Register: Shift registers, shift, SISO, PISO and DISO registers, Universal shift register (IC 7495) Shift register counters: Ring counter, Johnson Counter for Arbitrary wave (Square) output, Modulo-N counter, Synchronous counter, J-K flip-flop Counter – (SISO counter IC 7495) – Divide counter (IC 7490) – counting, Trunk-adder and binary display.

Semiconductor memories: Organization and working of ROM: types of ROM's – EPROM, EEPROM, FLASH, RAM: static and dynamic Semiconductor memories – Organization and working of ROM: type of ROM – PROM, EPROM, EEPROM, FLASH, RAM: static and dynamic.

UNIT-IV (16 Marks)

Introduction to 8085 Microprocessor & Its architecture: Introduction to Microprocessor, Data and Microprocessor – Architecture of 8085 microprocessor – CPU – Timing & Control Unit – Interrupts: Polling, Mask, Interrupt cycle (Timing diagram), Machine code and clock wave, Interrupts – Hardware and Software, Address queue partitioning – Memory mapped IO & IO mapped IO.

Instruction set of 8085 microprocessor: Classification – Data transfer operations, Arithmetic operations, Logical operations, Branch control operations and stack, PO and Machine control operations, Stack and Subroutine, Addressing modes.

Programming of 8085 microprocessor: Assembly language programming: addition (16 bit), 16 bit, 8 bit – subtraction, multiplication and division, Finding the largest and smallest number in data array.

Suggested Books:

1. Digital Principles and Applications – Mather & Lash – TMH
2. Digital Principles and Applications – Ronald J.Tier – Pearson Education
3. Text book of Electronics (Vol III) (Vol IV) (Vol V) – Tullaga, Ashok
4. Fundamentals of Digital Circuits – Anand Kumar – PHI
5. Digital Electronics Principles and Integrated circuits – Mory – Wiley India
6. Digital Electronics – Johnson
7. Microprocessor Architecture and Programming – Ramesh S.Ganesh – Prentice
8. Fundamentals of Microprocessors and Micro controllers – R.Rao – (Bangalore) A.Sam
9. Introduction to Microprocessors – Arifur P.Mahmud – TMH


Prof. G. Venkatesh Choudhary, SGT

22/09/2024


Prof. N. Venkatesh Choudhary, SGT

Page 5

R.Sc. (Electronics) - III Year

Semester - V

Paper - V : (A) Digital Electronics & Microprocessor Practical's
(DS4)-I: (Computing)

1. Verification of truth tables of AND, OR, NOR, NAND, XNOR, XOR, XNOR using IC 74XX series.
2. Construction of logic gates using NAND and NOR gates.
3. Construction of Half Adder using gates. Verification of truth table.
4. Construction of Full Adder using gates and verification of truth table.
5. Verification of truth tables of flip flops: RS, D and JK using IC's.
6. Binary addition (4 bit and 8 bit) and subtraction (4 bit).
7. Decimal Addition (DSN).
8. Multiplication and Division (DSN).
9. Packing of binary/decimal number from the given time.
10. Decoding the given data in ascending/descending order.
11. Time delay generation.

Simulation experiments:

1. 4 bit parallel adder using Full adders.
2. Decade counter using JK Flip flops.
3. Up/Down counter using JK Flip flops.
4. Multiplexer/Demultiplexer.
5. Encoder.

Note: Student has to perform minimum of eight experiments.

1. Lab Manual for Electronic Devices and Circuits - (Dr. G. A. Reddy, 2nd Edition - PDF)
2. Basic Electronics - A Text Lab Manual - (Zia, 2010, 101 pp)

TEACHING PLAN

Sl No	Unit / Topic	Teaching Planned on Date	No of Periods Planned	Course Outcomes	Teaching aids used	Books Referred
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1	Number system and Logic gates: Conversion of binary, octal, decimal & hexadecimal number systems, Binary addition and subtraction (1's and 2's complement methods). Logic gates- OR, AND, NOT, XOR, NAND, NOR gates and their truth tables, Design of basic gates using the universal gates: NAND and NOR gates, half adder, full adder and parallel adder logic circuits. Logic families and their characteristics: TTL, CMOS and ECL logic circuits.	16/08/2022 to 12/09/2022	15	CO1 , CO3,	Black board, chalk and duster	<ul style="list-style-type: none"> • Text book of Electronics BSc III year (Vol.III) • Digital Principles and Applications – Malvino & Leach • Fundamentals of Microprocessors and Micro controllers – B.Ram • Microprocessor Architecture and Programming – Ramesh S.Goanker
2	Boolean algebra and Combinational logic circuits: Boolean algebra - Laws and identities, De Morgan's Theorems, Simplification of Boolean expressions using Boolean identities, Reduction of Boolean expressions using Karnaugh Maps, Sum of Products (SOP) representation (up to four variables), Multiplexer, De-Multiplexer, Decoder (3 to 8) and Encoder (8 to 3).	13/09/2022 to 11/10/2022	15	CO1, CO2, CO3	Black board, chalk and duster, ict class room	<ul style="list-style-type: none"> • Text book of Electronics BSc III year (Vol.III) • Digital Principles and Applications – Malvino & Leach • Fundamentals of Microprocessors and Micro controllers – B.Ram • Microprocessor Architecture and Programming – Ramesh S.Goanker
3	Sequential logic circuits: Flip-flops: SR, D, JK, T, JK and JK Master-Slave, Registers: Shift registers, SISO, SIPO, PISO and PIPO registers, Universal shift register (IC 7496) Shift register counters- Ring counter, Johnson Counter-bit Asynchronous (Ripple) counter, Modulo-N counter, Synchronous counter, Up/Down Counters - ripple counter IC 7493 - Decade counter IC 7490 - working, Truth-table and timing diagrams. Semiconductor memories: Organization and working of ROM, types of ROM's - PROM, EPROM, EEPROM, FLASH, RAM- static and dynamic Semiconductor memories :: Organization and working of ROM, types of ROM's - PROM, EPROM, EEPROM, FLASH, RAM- static and dynamic	12/10/2022 to 15/11/2022	17	CO1, CO2, CO4	Black board, chalk and duster	<ul style="list-style-type: none"> • Text book of Electronics BSc III year (Vol.III) • Digital Principles and Applications – Malvino & Leach • Fundamentals of Microprocessors and Micro controllers – B.Ram • Microprocessor Architecture and Programming – Ramesh S.Goanker

4	<p>Introduction to 8085 Microprocessor & its architecture:: Introduction to Microcomputer, Intel 8085 Microprocessor – Architecture of 8085 microprocessor – CPU – Timing & Control Unit – Instruction cycle, Fetch Cycle , Execute cycle (Timing diagram), Machine cycle and clock states. Interrupts – Hardware and Software, Address space partitioning – Memory mapped I/O & I/O mapped I/O.</p> <p>Instruction set of 8085 microprocessor: Classification - Data transfer operations, Arithmetic operations, logical operations, Branch control operations and stack, I/O and Machine control operations. Stack and Subroutines, Addressing modes</p> <p>Programming of 8085 microprocessor: Assembly language programming, addition (8 and 16 bit), 8 bit - subtraction, multiplication and division. Finding the largest and smallest number in data array</p>	16/11/2022 to 8/12/2022	14	CO1, CO2, CO5	Black board, chalk and duster	<ul style="list-style-type: none"> • Text book of Electronics BSc III year (Vol.III) • Digital Principles and Applications – Malvino & Leach • Fundamentals of Microprocessors and Micro controllers – B.Ram • Microprocessor Architecture and Programming – Ramesh S.Goanker
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List of Recommended Text Books

SNO	Name of the Book	Author
1	Digital Principles and Applications	Malvino & Leach
2	Fundamentals of Digital Circuits	Anand Kumar
3	Microprocessor Architecture and Programming	Ramesh S.Goanker

List of Reference Text Books

SNO	Name of the Book	Author
1	Text book of Electronics BSc III year (Vol.III)	(Telugu Akademi)
2	Fundamentals of Microprocessors and Micro controllers	B.Ram

List of URL's to be Referred

SNO	Name of the URL
01	https://youtu.be/ow_gCaxPnmc
02	https://youtu.be/ibQBb5yEDlQ
03	https://youtu.be/_pJ7Vby3aQ8

METHODOLOGY FOR CONTINUOUS INTERNAL EVALUATION & EXTERNAL ASSESSMENT

SNO	NAME OF THE EXAM	MAX MARKS
01	Unit test	10
02	Internal examinations	20
03	Pre final examinations	80

RECORD OF TUTORIAL CLASSES CONDUCTED

SNO	DATE	NAME OF FACULTY	TUTORIAL TOPIC
1	23/08/22	K. Keerthana	Number systems and conversions
2	30/08/22	K. Keerthana	Basic logic gates
3	7/09/22	K. Keerthana	NAND, NOR as universal logic gates
4	14/09/22	K. Keerthana	De Morgan's Theorems,
5	23/09/22	K. Keerthana	Simplification of logic expressions using Karnaugh Maps
6	12/10/22	K. Keerthana	Multiplexer and DE-Multiplexer
7	18/10/22	K. Keerthana	Various flipflops
8	27/10/22	K. Keerthana	registers
9	2/11/22	K. Keerthana	Counters and their classification
10	7/11/22	K. Keerthana	8085 Architecture
11	9/11/22	K. Keerthana	Instruction set of 8085
12	12/11/22	K. Keerthana	Programming examples of 8085

RECORD OF MAKEUP CLASSES CONDUCTED

Date: 25/09/2022 **Faculty Name:** K. Keerthana
Academic 2022-2023 **Reason:** Less score in first
Year: internal examination
Period 3:10 PM To: 4:00 PM **Total Duration:** 1 Hour
Students Details:

1	086214055	BAIRABOINA BHARATH YADAV
2	086214056	BAIRI RAKESH
3	086214061	ERRA NISHANTH
4	086214070	RAJARAPU SANTHOSH KUMAR
5	086214072	SHAIK ASIF

Date: 27/12/2022 **Faculty Name:** M. Narasimha Murthy
Academic 2022-2023 **Reason:** Less score in second unit
Year: test examination
Period 3:10 PM To: 4:00 PM **Total Duration:** 1 Hour
Students Details:

1	086214063	GANNAVARAM SRIRAJ
2	086214069	PURVANI MAHESH
3	086214073	SINGARAPU KAMAL
4	086214074	SURAM NITHIN

RECORD OF STUDENT SEMINARS

ROLL. NO	NAME OF THE STUDENT	TOPIC
086214052	ALLAM PRANITHA	
086214058	BAVANDLAPALLI SRI HARSHAN	
086214059	BITLA ROHIT KUMAR	
086214064	GURUMURTHY MAHADEVI	
086214067	NOORA RAJU	
086214068	PADIDALA APOORVA	

VAAGDEVI DEGREE AND PG COLLEGE

KISHANPURA, HANAMKONDA

Internal Examinations – I (AY: 2022-2023)

B.Sc(Electronics)

Semester – V

Paper – V

Digital Electronics and microprocessor

Time: 90 Minutes

Max.marks: 20

Note: Answer the following questions

(10 X 2 = 20)

1. State and prove the demorgans theorem
2. Explain about 4x1multiplexer and Draw the logic circuit diagram
3. Define Boolean double compliment identities.
4. Write a short note on encoder.
5. Simplification k –map $Y = \overline{A} \overline{B} + A \overline{B}$
6. Write about decimal numbers with any one example.
7. Convert $(0.4375)_{10} = ()_2$?
8. Subtract (01110) from (10011) by using 1's complement method .
9. Write down the different logical gates with truth tables and circuit symbols
10. Design basic gates from universal gate NAND

VAAGDEVI DEGREE AND PG COLLEGE

Internal Examinations – II (AY: 2022-23)

BSc(Electronics)

Semester – V

Digital electronics & Microprocessor

Paper – V

Time: 90 Min

Max. Marks: 20

Answer all questions (10 X 2 = 20)

- 1) Explain about ring counter
- 2) Explai about D flipflop
- 3) Write short note on EPROM
- 4) What are tha types of ROMS
- 5) Draw the neat diagram of SR filpflop
- 6) Draw the neat diagram of 8085 microprocessor architecture.
- 7) Draw the neat diagram of 8085 pinconfiguration
- 8) Write short note on data transfer instruction.
- 9) Write a program of 8bit subtraction
- 10) Write a short note on addressing modes of 8085.

VAAGDEVI DEGREE & PG COLLEGE

HANAMKONDA

Department of Physics & Electronics

Pre-Final Examinations

Electronics

Digital Electronics & Microprocessor

Paper – V A

Max Marks: 80

Time: 3 Hours

Section A

(Short Answer Questions)

Answer any eight questions

(Marks: 8x4=32)

1. Write a note on functional elements of a measuring system.
2. What is meant by linearity and resolution of a measuring system.
3. Write about the errors obtained during the measurement of a physical quantity.
4. What are the characteristics of a sensor.
5. Write a note on strain gauge sensor.
6. Explain the functioning of photoconducting cell.
7. Write a short note on Schering bridge.
8. Describe the operating principle of strain gauge.
9. Draw the block diagram of CRO.
10. What are the commonly used CRO probes.
11. What is meant by delay line in CRO.
12. What are the applications of CRO.

Section B

(Essay Type Answer Questions)

Answer all questions

(Marks: 4 x 12 = 48)

13. a) Describe the terms Accuracy, precision, bias, linearity, threshold, resolution, hysteresis, dead space, scale readability and span of a measuring system.
Or
b) Explain the dynamic characteristics of a second order measuring system.
14. a) With a neat circuit diagram explain the functioning of thermistor based temperature sensor.
Or
b) Explain the construction and working of photovoltaic devices.
15. a) Explain the operation of Wheatstone bridge for the measurement of resistance.
Or
b) Explain how the inductance of a coil can be measured by Maxwell's bridge.
16. a) Describe the functioning of cathode ray tube with a neat diagram.
Or
b) Explain briefly about the deflecting plate systems of CRO.

STUDENT PROGRESSION AND MARKS STATEMENT
MPE – IIIyr Sem – 5

S.NO	HT No	STUDENT NAME	INT - I	INT - II
1	086214051	ALAKANTI SHIVAKUMAR	17	18
2	086214052	ALLAM PRANITHA	20	20
3	086214053	AMBEERU THARUN	17	AB
4	086214054	ARELLI NAVEEN	18	19
5	086214055	BAIRABOINA BHARATH YADAV	13	18
6	086214056	BAIRI RAKESH	12	18
7	086214057	BASINGALA SAI JAYANTH	17	17
8	086214058	BAVANDLAPALLI SRI HARSHAN	20	19
9	086214059	BITLA ROHIT KUMAR	20	20
10	086214060	BODIGAM SHASHI PREETHAM	18	18
11	086214061	ERRA NISHANTH	12	17
12	086214062	GAJULA SHYAM	AB	AB
13	086214063	GANNAVARAM SRIRAJ	15	16
14	086214064	GURUMURTHY MAHADEVI	20	20
15	086214065	KALE RAKESH	16	17
16	086214066	KANDARAPU THILAK	18	19
17	086214067	NOORA RAJU	20	17
18	086214068	PADIDALA APOORVA	20	20
19	086214069	PURVANI MAHESH	18	16
20	086214070	RAJARAPU SANTHOSH KUMAR	12	17
21	086214071	RAJARAPU VAMSHI	AB	18
22	086214072	SHAIK ASIF	12	17
23	086214073	SINGARAPU KAMAL	16	16
24	086214074	SURAM NITHIN	17	16
25	086214075	THALAGAMPA SHASHI KUMAR	18	18

Teaching Notes

Unit no	Topics	Synopsis	Hours allotted	Hours taught	Extra hours taken	Reason
UNIT -I	Number system and Logic gates: Conversion of binary, octal, decimal & hexadecimal number systems, Binary addition and subtraction (1's and 2's complement methods). Logic gates- OR, AND, NOT, XOR, NAND, NOR gates and their truth tables, Design of basic gates using the universal gates: NAND and NOR gates, half adder, full adder and parallel adder logic circuits. Logic families and their characteristics: TTL, CMOS and ECL logic circuits.	<ul style="list-style-type: none"> • Number systems • Basics of logic families • Basic logic gates • NAND, NOR as universal logic gates 	12	12		
UNIT -II	Boolean algebra and Combinational logic circuits: Boolean algebra - Laws and identities, De Morgan's Theorems, Simplification of Boolean expressions using Boolean identities, Reduction of Boolean expressions using Karnaugh Maps, Sum of Products (SOP) representation (up to four variables), Multiplexer, De-Multiplexer, Decoder (3 to 8) and Encoder (8 to 3).	<ul style="list-style-type: none"> • Demorgan laws • Simplification of Boolean expressions • Sum of products and product of sums • Operation of multiplexer, demultiplexer, Encoder and decoder 	12	12		
UNIT -III	Sequential logic circuits: Flip-flops: SR, D, JK, T, JK and JK Master-Slave, Registers: Shift registers, SISO, SIPO, PISO and PIPO registers, Universal shift register (IC 7496) Shift register counters- Ring counter, Johnson Counter-bit Asynchronous (Ripple) counter, Modulo-N counter, Synchronous counter, Up/Down Counters - ripple counter IC 7493 - Decade counter IC 7490 - working, Truth-table and timing diagrams. Semiconductor memories: Organization and working of ROM, types of ROM's - PROM, EPROM, EEPROM, FLASH, RAM- static and dynamic Semiconductor memories :: Organization and working of ROM, types of ROM's - PROM, EPROM, EEPROM, FLASH, RAM- static and dynamic	Flipflops as memory elements Operation of shift register Functioning of ring counter Memory organization	16	16		

Unit IV	<p>Introduction to 8085 Microprocessor & its architecture:: Introduction to Microcomputer, Intel 8085 Microprocessor – Architecture of 8085 microprocessor – CPU – Timing & Control Unit – Instruction cycle, Fetch Cycle , Execute cycle (Timing diagram), Machine cycle and clock states. Interrupts – Hardware and Software, Address space partitioning – Memory mapped I/O & I/O mapped I/O. Instruction set of 8085 microprocessor: Classification - Data transfer operations, Arithmetic operations, logical operations, Branch control operations and stack, I/O and Machine control operations. Stack and Subroutines, Addressing modes</p> <p>Programming of 8085 microprocessor: Assembly language programming, addition (8 and 16 bit), 8 bit - subtraction, multiplication and division. Finding the largest and smallest number in data array</p>	<ul style="list-style-type: none"> • Functioning of 8085 • Instruction set of 8085 • Addressing mods of 8085 • Assembly language programming examples 	<p>16</p>	<p>16</p>		
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VAAGDEVI DEGREE & PG COLLEGE

DIST: HANUMAKONDA, TELANGANA STATE - 506001

(Affiliated to Kakatiya University, Warangal)

(e-mail: contact@vaagdevicolleges.com)

(website: www.vaagdevicolleges.com)

Criterion: I

Teaching Plans

Statistics



VAAGDEVI DEGREE & PG COLLEGE

DEPARTMENT OF STATISTICS

COURSE FILE - III SEM--2022-2023

Paper –III (Statistical Methods and Theory of Estimation)

Name of the faculty	K BALARAJU
Designation	ASSISTANT PROFESSOR
Email	Balarajuk81@gmail.com
Course Code	BS-307
Course Title	STATISTICAL METHODS AND THEORY OF ESTIMATION
Academic Year / Semester	2022-23/ III-SEM
Number of Instructional Hours	

INTRODUCTION TO THE COURSE:

The term applied statistics is used to describe the work of trained statisticians who are in charge of the processing and dissemination of statistics, as well as the statistical analysis processes carried out by statisticians, professional users of statistics, and the general public.

Companies are looking for statisticians, data analysts, data scientists, and other experts with Applied Statistics experience who can visualize and analyze data, make sense of it all, and use it to solve real-world challenges, thanks to today's expanded access to big data. Companies have a lot of data, and correctly evaluating it will help them become more efficient and profitable. Data can be used by government departments, non-profits, and other organizations to help mitigate illness, gather critical population data, direct election efforts, and research potentially life-saving prescription drugs. Applied Statistics usually includes learning programming languages like SAS, R, and Python.

Vision

The philosophy is to concentrate learning and training activities on the art of probabilistic reasoning, i.e., the logic and principles that should guide rational decision making under conditions of limited information and uncertainty. This philosophy equips our students with skills that all employers consider desirable.

Mission

- The mission of the statistics is to provide excellent training in scientific data collection, data management, methods and procedures of data analysis.
- To provide excellent knowledge of STATISTICAL sciences for suitable career and groom them for national recognition.
- To encourage independent thinking and application-oriented collaborative research in the areas of contemporary interest to contribute to the development of the region and the nation.

- To provide effective teaching & learning environment for training graduates with values, entrepreneurial attitude and globally employable skills.
- To encourage participation in games & sports, co-curricular and extra-curricular activities resulting in overall personality development.

PROGRAM OUTCOMES

Core competency: - The students shall acquire core competency in the core subject and its allied subject areas.

Analytical ability: - The students will be able to demonstrate the knowledge in understanding research and addressing practical problems.

Critical Thinking and Problem Solving: - The students will be given fundamental concepts and their applications of scientific principles.

Digitally equipped: - The students will acquire digital skills and integrates the fundamental concepts with modern tools.

Ethical and psychological strengthen:- The students will also strengthen their ethical and moral values and shall be able to deal with psychological weaknesses.

Team Player: - The students shall be provided with team-workmanship in order to serve efficiently institutions, industry and society.

Independent Learner: - Apart from subject skills and generic skills, the students will be encouraged to gain knowledge and skills for further higher studies, competitive examinations and employment.

Effective Communication skills- The students will be provided with the necessary communication skills, mastering speaking, reading, listening and writing effectively and to contact the real world for a meaningful interaction.

Environment and Sustainability – The students shall understand the issues related to environment sustainability and development.

Effective citizenship – The students shall demonstrate empathetic social concern and equity centered national development and the ability to act with an informed awareness of issues and participate in civil life through volunteering.

PROGRAM SPECIFIC OUTCOMES

Program Specific Outcomes – B.Sc (Statistics)	<p>Students majoring in STATISTICS will develop a comprehensive understanding and appreciation in:</p> <p>To develop a deeper understanding of the scientific foundations of statistical theory and receive specialized training in model construction.</p> <p>Aim to provide a firm foundation in every aspect of Statistics.</p> <p>To detect and distribute data-driven perspectives that help market leaders make smarter decisions.</p> <p>To develop curiosity, creativity and understanding links of statistics to other disciplines.</p> <p>To collect, analyze, and evaluate data to assist businesses in making decisions.</p>
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Program objectives and Course out comes mapping

ASSESSMENT LEVELS: 0 – NOT MAPPED; 1 –MAPPED AT WEAK LEVEL; 2 – MAPPED AT MODERATE LEVEL;
3 – MAPPED AT SATISFACTORY LEVEL

COURSE TITLE		COURSE CODE				COURSE OUTCOMES				
STATISTICAL METHODS AND THEORY OF ESTIMATION		BS 307- STA				CO1: To understand and analyze the concepts, definitions, process of Curve fitting, Calculating Relation between two variables and simple linear Regression, Significance of the Correlation Coefficient, CO2: To understand the concepts, Association between the attributes, To Analyzing the types of Correlation and Evaluate the Relationship between Coefficient of Colligation and Association CO3: To understand the fundamental concepts of Population and Sample, To Analyzing Sampling distributions and calculating relationship between them CO4: To understand the concept of Estimation. To Analyzing Construction of Point and interval estimation, Evaluate Properties of Interval estimation, and concept of MOM and MLE				
						PO -1	PO -2	PO -3	PO -4	PO -5
						PO -6	PO -7	PO -8	PO -9	PO -10
						CO -1	2	2	2	0
						CO -2	3	2	3	2
						CO -3	2	2	2	0
						CO -4	3	2	3	3
						TOTAL	2.5	2.0	2.5	1.25
						ATTAINMENT	5	0	5	25

$$W_{Pi} = \sum_j (CO_j) / 4 \text{ (i=1 to 10 and j=1 to 4) (} W_{Pi} \text{ is the Weight factor for Programme Outcome PO1)}$$

CLASS TIME-TABLE

Department : **Statistics**

Class: MStCs-A- II YEAR (III SEM)

Academic Year: **2022-23**

DAY / HOURS	1 (10.40 AM- 11.30 AM)	2 (11.30 PM- 12.20 PM)	3 (1.10 PM- 2.00 PM)	4 (2.00 AM- 2.50 AM)	4 (2.50 PM- 3.40 PM)	5 (3.40 PM- 4.30 PM)
MON	STA/CS LAB				STA	
TUE	STA/CS LAB				STA	
WED				STA		
THUR S				STA		
FRI						
SAT						

Subject Code	Subject	Name of the Faculty	Signature
BS-307	Statistics	K.BALARAJU	

KAKATIYA UNIVERSITY
Under Graduate Courses (Under CBCS AY: 2020-2021 on words)
B.Sc. STATISTICS
II Year: Semester-III

DSC-3/Paper-3: STATISTICAL METHODS AND THEORY OF ESTIMATION

[4 HPW:: 4 Credits :: 100 Marks (External:80, Internal:20)]

Unit-I

Bi-variate data, Scattered diagram, Principle of least squares, fitting of straight line, quadratic and power curves. Concept of correlation, computation of Karl-Pearson correlation coefficient for grouped and ungrouped data and its properties, Correlation ratio, Spearman's rank correlation coefficient and its properties. Simple linear regression, correlation versus regression, properties of regression coefficients, their relation with correlation coefficient.

Unit-II

Concepts of partial and multiple correlation coefficients (only for three variables), Analysis of categorical data, their independence, Association and partial association of attributes, various measures of association, Yule's for two way data, coefficient of contingency (Pearson and Tcherprow), coefficient of colligation.

Unit-III

Concepts of Population, Parameter, Random sample, Statistic, Sampling distribution and Standard error, Standard error of sample means and that of sample proportions, Exact sampling distributions: Statement and properties of χ^2 , t and F distributions and their inter-relationships. Independence of sample mean and variance in random sampling from normal distribution.

Point estimation of a parameter, concept of bias and mean square error of an estimate. Criteria of a good estimator: consistency, unbiasedness, efficiency and sufficiency with examples.

Unit – IV

Statement of Neyman's Factorization theorem, derivations of sufficient statistics in case of Binomial, Poisson, Normal and Exponential (one parameter only) distributions, Estimation by the method of moments(MOM), Maximum likelihood estimation (MLE), Asymptotic properties of MLE (Statements without proofs), Concept of interval estimation, Confidence intervals of the parameters of normal population by Pivot method.

References:

1. Goon AM, Gupta MK, Das Gupta B : Outlines of Statistics , Vol-II, The World Press Pvt. Ltd., Kolkata.
2. V. K. Kapoor and S. C. Gupta: Fundamentals of Mathematical Statistics, Sultan Chand & Sons, New Delhi.

3. Hogg and Craig : Introduction to Mathematical statistics. Prentice Hall
4. Parimal Mukhopadhyay : Mathematical Statistics, New Central Book agency.
5. V. K. Rohatgi and A. K. Md. Ehsanes Saleh : An introduction to probability and statistics, Wiley series.

KAKATIYA UNIVERSITY
Under Graduate Courses (Under CBCS AY: 2020-2021 on words)
B.Sc. STATISTICS
II Year: Semester-III

Practical-3: STATISTICAL METHODS AND THEORY OF ESTIMATION
(3 HPW, Credits 1 and Marks 25)

Part-A (Using Calculator)

- Generation of random samples from Uniform (0,1), Uniform (a,b), Normal and Poisson and Exponential Distributions.
- Fitting of straight line and parabola by the method of least squares.
- Fitting of power curves of the type $y = a x^b$, $y = a b^x$ and $y = a e^{bx}$ by the method of least squares.
- Computation of Yule's coefficient of association and Pearson's, Tcherprows coefficient of contingency.
- Computation of correlation coefficient and regression lines for ungrouped data.
- Computation of correlation coefficient, forming regression lines for ungrouped data.
- Computation of correlation coefficient, forming regression lines for grouped data.
- Computation of multiple and partial correlation coefficients.
- Computation of correlation ratio

Part-B (Using MS-Excel)

- Simulation of random samples from Uniform (0,1), Uniform (a,b), Exponential, Normal and Poisson distributions using MS Excel.
- Fitting of straight line and parabola by the method of least squares using MS Excel.
- Fitting of power curves of the type $y = a x^b$, $y = a b^x$ and $y = a e^{bx}$ by the method of least squares using MS Excel.
- Computation of correlation coefficient, forming regression lines using MS Excel.
- Computation of multiple and partial correlation coefficients using MS Excel.

(A) Final Examination

Question Papers Pattern

SARVITA UNIVERSITY
B.Sc. STATISTICS
Theory Question Paper Pattern
Academic Year: 2019-2022

Time: 1 hour

(Max. Marks: 60)

Section - A

Answer ALL questions. All questions carry equal marks. (10)(10=100)

Q1 (a) (10)
Q1 (b) From Unit-I

Q2 (a) (10)
Q2 (b) From Unit-II

Q3 (a) (10)
Q3 (b) From Unit-III

Q4 (a) (10)
Q4 (b) From Unit-IV

Section - B

Answer any THREE questions. All questions carry equal marks. (30)(30=90)

Q5 (a) (10)
Q5 (b) From Unit-I

Q6 (a) (10)
Q6 (b) From Unit-II

Q7 (a) (10)
Q7 (b) From Unit-III

Q8 (a) (10)
Q8 (b) From Unit-IV

(10)

KAKATIYA UNIVERSITY
B.Sc. (STATISTICS)
Practical Question Paper Pattern Academic
Years: 2019-2022

Time: 2 hours]

[Max. Marks: 25

[Practical:15,Record:5, Viva:5]

Note: Solve any THREE problems choosing at least one from each Section

Section-A (Solve Using Calculator)

Problem. 1 }
Problem. 2 } From Part-I of Question bank Problem. 3

SectionB

(Solve Using Computer Programs)

Problem. 4 }
Problem. 5 } From Part-II Question bank

(A) Internal Examinations:

- 1 Two Internal exams are to be conducted and best of two internal marks is considered.
- 2 First internal exam is to be conducted after completion of Unit-I & II.
- 3 Second internal exam is to be conducted after completion of Unit-III & IV.
- 4 Internal Examination duration: 1 hr 30 min.
- 5 Internal Theory QP consists of 20 marks.
- 6 10 Short questions are to be given (5Q from each of 2 Completed units).
- 7 All TEN questions are to be answered (10QX2m=20m).

**Prof A Rajendra Prasad Chairperson,
BOS in Statistics, KU**

TEACHING PLAN

S.No.	Unit / Topic	Teaching Planned on Date	No of Periods Planned	Course Outcomes	Teaching aids used	Books Referred
1	Curve Fitting & Correlation: Bi-Variate data, Scattered Diagram, Principle of least Square, fitting of Straight line, Quadratic and Power Curves. Concept of Correlation, Computation of Karl-Pearson's Correlation Coefficient and its Properties. Simple Linear Regression, Properties of Regression Coefficients, Relationship with Correlation Coefficient.	16/08/2022 TO 03/09/2022	15	CO1 , CO3,	BLACK BOARD , CHALK , DUSTER	II nd Year statistics – <i>Telugu Academy</i> . Fundamental of Mathematical Statistics by V.K. Kapoor &S.C. Guptha.
2	Types of Correlation & Attributes: Concepts of partial and Multiple Correlation coefficients, Analysis of categorical data, Indipendence and Association of Attributes, Measurements of Association, Yule's Coefficient and Coefficients of Contingency , Coefficient of Colligation, Tcherprow Coefficient	04/09/2022 TO 25/09/2022	14	CO1, CO2, CO3	BLACK BOARD , CHALK , DUSTER	First Year statistics - <i>TeluguAcademy</i> . Fundamental Statistics by V.K. Kapoor &S.C. Guptha.

3	Population and Sampling distributions: Concepts of Population, Parameter, Random Sample, Statistic, Sampling Distribution, Standard Error, χ^2 distribution its properties, t and F distributions and their Interrelationships, Point Estimation of a parameter, Criteria of good Estimator: Consistency, Unbiasedness, Efficiency and Sufficiency with Examples.	08/10/2022 TO 24/10/2022	14	CO1, CO2, CO4	BLACK BOARD , CHALK , DUSTER	Second Year statistics - <i>TeluguAcademy</i> . Fundamental Of Mathematical Statistics by V.K. Kapoor & S.C. Gupta.
4	Estimation Theory: Neyman's Factorization theorem, derivation of sufficient statistics with example (Binomial, Poisson, Exponential), method of moments and Maximum Likelihood Estimation and its Properties, Concept of Interval Estimation and Confidence Interval of parameters of Normal Population.	25/10/2022 TO 12/11/2022	15	CO1, CO2, CO5	BLACK BOARD , CHALK , DUSTER	Second Year statistics - <i>TeluguAcademy</i> . Fundamental of Mathematical Statistics by V.K. Kapoor & S.C. Gupta.

List of Recommended Text Books

S.N o.	Name of the Book	Author
1	Fundamentals of Mathematical Statistics	V.K.Kapoor and S.C.Gupta
2	Programmed STATISTICS	BL AGARWAL
3	Second Year Statistics	Telugu Academy

List of Reference Text Books

S.No.	Name of the Book	Author
1	Statistical Methods.	S. P. Gupta
2	Theory of Statistical Estimation	Dr. Amarendra Mishra
3	Statistical Methods	Sulthan Chand and Sons

List of URL's to be Referred

S.N O.	Name of the URL
01	https://www.g2.com/articles/statistical-analysis-methods
02	http://www.ru.ac.bd/wp-content/uploads/sites/25/2019/03/102_10_Longnecker_An-Introduction-to-Statistical-Methods-and-Data-Analysis-6th-Ed.pdf

**METHODOLOGY FOR CONTINUOUS INTERNAL
EVALUATION & EXTERNAL ASSESSMENT:**

S. No.	NAME OF THE EXAM	MAX MARKS
01	Unit test	10
02	Internal examinations	20
03	Pre final examinations	80

RECORD OF TUTORIAL CLASSES CONDUCTED

S.No.	DATE	NAME OF FACULTY	TUTORIAL TOPIC
1	22/08/2022	K. BALARAJU	Introduction
2	30/08/2022	K. BALARAJU	Fitting of Straight line
3	06/09/2022	K. BALARAJU	Concept of Correlation
4	20/09/2022	K. BALARAJU	Karl-Pearson Correlation Coefficient
5	26/09/2022	K. BALARAJU	Properties of Correlation Coefficient
6	08/10/2022	K. BALARAJU	Types of Correlation
7	15/10/2022	K. BALARAJU	Association of Attributes
8	23/10/2022	K. BALARAJU	Concept of Population and Sample
9	30/10/2022	K. BALARAJU	Sampling Distribution
10	06/11/2022	K. BALARAJU	Student's t-and F Dist ⁿ and Relationships
11	13/11/2022	K. BALARAJU	Neyman Factorization Theorem
12	16/11/2022	K. BALARAJU	Criteria of Good Estimator

RECORD OF MAKEUP CLASSES CONDUCTED

Date: 24/09/2022

Academic Year: 2022- 2023

Period: From: 10:00 AM To: 11:00 AM

Faculty Name: K BALARAJU

Reason: LESS SCORE IN FIRST INTERNAL

Total Duration: 1 Hour

Students Details:

S. No.	Roll No	Name of the Student
1	086224702	AITHA SUJITH
2	086214728	GOLUSULA RAVITEJA
3	086214742	MANDALA RAVITEJA
4	08620771	SHAGANTI RAGHU

Date: 31/10/2022

Academic Year: 2022 -2023

Period: From: 11:00 AM To: 12:00 PM

Faculty Name: K BALARAJU

Reason: LESS SCORE IN SECOND INTERNAL

Total Duration: 1 Hour

Students Details:

S.No.	Roll No	Name of the Student
1	086214761	PENDLI RAJASHEKAR
2	086214775	SRIPATHI LOKESH KUMAR
3	086224787	YASALA DEEPAK
4	08620771	SHAGANTI RAGHU

RECORD OF STUDENT SEMINARS

Roll No.	Name of the Student	Topic
086214716	BOMPELLI RAKESH	BI-Variate data
086214721	DEEKONDA NIKITHA	Fitting of straight line
086214729	GUDIPATI NITHIN REDDY	Correlation with examples
086214752	MUDAPELLY ANIL	Correlation Coefficient
086214776	SRIRAMOJU PRAMOD MAHANTH	Association of attributes
086214784	VARIKOLU NEELIMA	Independency of Attributes



VAAGDEVI DEGREE&PG COLLEGE,
HANAMKONDA
II B.Sc (MStCs-A)- III SEM
STATISTICS-III
STATISTICAL METHODS AND THEORY OF ESTIMATION
UNIT TEST- I

Answer the following questions

Each question carries 5 marks

2x5 = 10

1. Explain Fitting of Straight Line .
2. Define Correlation and Explain Types of Correlation.

VAAGDEVI DEGREE & P.G. COLLEGE
Kishanpura, Hanamkonda
BSC Ist Year Semester - III
I- Internal Assessment -2022
STATISTICS –III
(Statistical Methods and Theory of Estimation)

I. Multiple choice Questions

5M

1. The limits for Correlation Coefficient is----- []
a) 0 to 1 b) not define c) -1 to +1 d) 0 to infinity
2. The Straight line equation of The following Data is _____ []

X	0	1	2	3	4	5
Y	3	6	8	11	13	14

a) $3.52 + 2.26X$ b) $3.25 + 3.26X$ c) $2.52 + 2.62X$ d) $5.2 + 2.6X$
3. The Term Regression was Introduced by ----- []
a) Sir Francis Galton b) Karl Pearson
c) RA Fisher d) non of these
4. If $\text{Cov}(X,Y) = -16.5$, $\sigma_x = 2.89$, $\sigma_y = 100$ then Correlation Coefficient(r)=_____ []
a) -0.97 b) -0.057 c) 0.057 d) 0.97
5. Measure of Association Generally deals with_____ []
a) Quantitative b) Qualitative c) Numbers d) Variables

II. Fill in the blanks

5M

6. The Regression line Y on X is_____
7. If $(A)=300$, $N=1000$, then $\alpha=$ _____
8. If All Class Frequencies is Positive then Data to be -----
The relationship between Coefficient of Correlation and Regression - - - - -
9. - - - - -
10. If $(AB) = 100$, $(\alpha E) = 80$, $(\alpha \beta) = 40$, $(A\beta) = 50$ then $N =$ - - - - -

III. Matching 5M

- | | | |
|---------------------------------|--------|--|
| 11) Spearman's Rank Correlation | [] | a) Honesty and Intelligence |
| 12) Bi – Variate data | [] | b) $\rho = 1 - \frac{6\sum d_i^2}{n(n^2-1)}$ |
| 13) Coefficient of Colligation | [] | c) Involving Two Variables |
| 14) Attribute | [] | d) $E = \sum (Y_i - \bar{Y})^2$ |
| 15) Legendre's Principle | [] | e) Y |

IV. Answer any ONE question

5M

16. Explain Relationship between Coefficient of association and Colligation
17. Explain Least Square Principle and fitting of Straight line



VAAGDEVI DEGREE&PG COLLEGE
HANAMKONDA
III B.Sc (MStCs-A) –III SEM
STATISTICS - III

UNIT TEST-II

Answer the following questions

Each carries 5 marks

2x5 = 10

1. Define i) Population ii) Sample iii) Parameter iv) Statistic V) Standard Error
2. Explain Maximum Likelihood Estimation.

VAAGDEVI DEGREE & P.G. COLLEGE

Kishanpura, Hanamkonda

BSc II nd Year Semester - III

II- Internal Assessment -2022

STATISTICS –III

(Statistical Methods and Theory of Estimation)

V. Multiple choice Questions

5M

1. The Number of Possible Samples of size n out of N Population Units With Replacement []
a) $\frac{N!}{n!}$ b) $\frac{n!}{N!}$ c) Nn d) N^n
2. The Standard Error of Sample Mean ---- []
a) $\sigma\sqrt{n}$ b) $\frac{\sigma}{\sqrt{n}}$ c) $\frac{\sigma}{n}$ d) $\frac{\sigma}{n^2}$
3. A value of Estimator is Called _____ []
a) Parameter b) Estimation c) Estimate d) Variable
4. The Level of Confidence is denoted by ... []
a) α b) β c) $1 - \alpha$ d) α_2
5. The Notation of Population And Sample Size Respectively... []
a) (N,n) b) (n, n-1) c) (N,n-1) d) (n,N)

Fill in the blanks

5M

11. If The Mean of Estimator is not Equal to the Population Mean then The Estimator is _____
12. The Point Estimator Population Mean μ is _____
13. For Testing Anova _____ distribution is used
14. The mean χ^2 Distribution is _____
15. The Nature of t distribution Curve is _____

Match the following

5M

- | | | |
|---------------------------|--------|--|
| 16) MLE | [] | a) $\text{Var}(T_1) > \text{Var}(T_2)$ |
| 17) χ^2 Distribution | [] | b) $h(x) \cdot \frac{d}{dx}(T)$ |
| 18) Sufficiency | [] | c) $(1-2t^{-n/2})$ |
| 19) Efficiency | [] | d) $E(T) \neq \theta$ |
| 20) Biased Estimator | [] | e) Invariance Property |

Answer any ONE question

5M

18. Define Student t-distribution and Derive relationship between t and F distribution
19. Explain i) Method Of Moments ii) MLE



VAAGDEVI DEGREE & P.G. COLLEGE

Kishanpura, Hanamkonda

BSC II Year, III-Semester

Pre-Final examination -2022

STATISTICS

(Statistical Methods and Theory of Estimation)

SECTION-A(4x10 = 40)

(short Answer Type)

Answer any **Four** Questions.

- 1) Define “Correlation co – efficient” with suitable example and obtain its limits.
- 2) Define Legendre’s Principle and Explain Fitting of Quadratic equation
- 3) Define yule’s co-efficient of association and the co – efficient of colligation. Establish the Relationship Between Them
- 4) Examine The Consistency of the following data:
 $N=1400$, $(A)=900$, $(B)=800$, and $(AB)=350$
- 5) Explain following terms With an Example.
(a) Population (b) Sample (c) Parameter (d) Statistic (e) Standard Error
- 6) Define student’s t- distribution and F- distribution and obtain the relationship between them.
- 7) Explain with an Example i) Consistency ii) Unbiasedness
iii) Efficiency and iv) Sufficiency
- 8) a) Explain Neyman’s Factorization Theorem
b) Explain Method of Moments.

SECTION-B (2x20=40)

(Long Answer type)

Answer any **Two** questions.

- 9) a) Calculate Correlation Coefficient to the following data.

X	24	26	18	28	20	14	12
Y	22	24	14	16	18	20	23

- b) Define Rank Correlation Coefficient and derive its Formula.
- 10) Explain Independency of Attributes and Check the Independency to the following data $(AB) 256$, $(\alpha B) = 768$, $(A\beta) = 48$ and $(\alpha\beta)=144$.
- 11) Define χ^2 distribution and its properties. And Explain relationship between χ^2 and F distribution.
- 12) a) Explain the Method of Maximum Likelihood Estimation.
c) Let X_i be a random sample of size n from normal population $N(\mu, \sigma^2)$ find the MLE for μ when σ^2 is Unknown.

STUDENT PROGRESSION AND MARKS STATEMENT
MStCs-III(A) SEM

HT.NO	NAME OF THE STUDENT	UNIT TEST-1	INTERNAL EXAM-1	UNIT TEST-2	INTERNAL EXAM-2
086224701	ADUNURI RAHUL	9	11	8	14
086224702	AITHA SUJITH	8	16	8	12
086224705	AVUNURI SHIVA KUMAR	6	17	7	14
086224708	BANDA AKSHITHA	7	18	8	AB
086224709	BANDI DEVENDER	6	10	7	12
086224710	BANOTH SANDEEP NAYAK	9	18	9	AB
086224712	BETHI LAXMAN KUMAR	7	AB	8	16
086224713	BODDUPELLI AKHIL	8	AB	9	14
086224716	BOMPELLI RAKESH	9	19	10	AB
086224717	CHAGANTI RAKESH	8	AB	9	12
086224718	CHEERA PALLAVI	7	12	8	19
086224720	CHEPURI SWATHANTRA	7	20	8	AB
086224721	DEEKONDA NIKITHA	9	17	9	AB
086224722	DHUDEM SRIYA	7	16	8	12
086224723	DOPATHI POOJITHA	7	17	8	12
086224726	GEESABOINA AKASH	6	11	7	17
086224727	GOLUSULA DEEPIKA	7	12	8	14
086224728	GOLUSULA RAVITEJA	8	12	7	AB
086224729	GUDIPATI NITHIN REDDY	7	12	8	AB
086224730	GUDURU SATHWIK	6	10	7	12
086224731	GUNDABOINA NAGARAJU	6	13	7	13
086224732	GUNDEBOINA SHREYA	7	11	8	12

086224733	JAKKULA RAHUL	7	15	8	12
086224734	JANGILI SHIVA	8	AB	9	12
086224735	JARUPULA SUPRAJA	8	14	9	7
086224738	KODARI RAMYA SRI	8	15	9	12
086224739	KOMMU SHIREESHA	7	11	8	16
086224742	MANDALA RAVITEJA	7	AB	8	13
086224744	MARAKALA PRIYANKA	6	13	7	12
086224745	MEDIPALLY SHRUTHI	7	12	8	AB
086224747	MOHAMMAD AZEEM PASHA	7	12	8	11
086224751	MOTHE NIKHITHA	6	18	7	14
086224752	MUDAPELLY ANIL	7	17	8	11
086224754	NUTENKI MRUDUVANI	7	11	8	12
086224755	PADALA VARSHA SRI	8	15	9	11
086224757	PANJALA ABHIGNA	6	16	7	12
086224759	PEDDOJU RAMYA	8	11	9	12
086224761	PENDLI RAJASHEKAR	7	16	8	11
086224763	PITTALA RADHIKA	8	14	9	8
086224765	RAGI SANDEEP	8	12	9	16
086224766	RAMA SRUTHI	9	18	10	12
086224769	SAI TEJA MEDIPELLI	7	17	8	15
086224771	SHAGANTI RAGHU	6	16	7	12
086224772	SHANABOINA AMULYA	8	11	9	12
086224774	SHIRISHA PITTALA	7	16	8	11
086224775	SRIPATHI LOKESH KUMAR	8	14	9	8
086224776	SRIRAMOJU PRAMOD MAHANTH	8	12	9	16
086224777	SUNKE VYSHNAVI	9	18	10	12
086224778	THOTA ASHMANTH	7	17	8	15

086224780	VAINALA RAJ KUMAR	6	16	7	12
086224783	VARDELLI NITHIN	8	11	9	12
086224784	VARIKOLU NEELIMA	8	AB	9	12
086224785	VENGALADASU AJAY	8	14	9	7
086224787	YASALA DEEPAK	8	15	9	12
086224789	BOLEPALLE VIKAS	7	11	8	16

Teaching Notes

Unit No	Topics	Synopsis	Hours allotted	Hours taught	Extra hours taken	Reason
UNIT-I	Curve fitting & Correlation	Bi-Variate data, Scattered Diagram, Principle of least Square, fitting of Straight line, Quadratic and Power Curves. Concept of Correlation, Computation of Karl-Pearson's Correlation Coefficient and it's Properties. Simple Linear Regression, Properties of Regression Coefficients, Relationship with Correlation Coefficient.	14	14		
UNIT-II	Types of Correlation and Attributes	Concepts of partial and Multiple Correlation coefficients, Analysis of categorical data, Indipendence and Association of Attributes, Measurements of Association, Yule's Coefficient and Coefficients of Contingency, Coefficient of Colligation, Tcherprow Coefficient	15	15		
UNIT-III	Population and Sampling distribution	Concepts of Population, Parameter, Random Sample, Statistic, Sampling Distribution, Standard Error, χ^2 distribution its properties, t and F distributions and their Interrelationships, Point Estimation of a parameter, Criteria of good Estimator: Consistency, Unbaisedness, Efficiency and Sufficiency with Examples	14	14		

Unit-IV	Estimation Theory	Neyman's Factorization theorem, derivation of sufficient statistics with example(Binomial, Poisson, Exponential), method of moments and Maximum Likelihood Estimation and its Properties, Concept of Interval Estimation and Confidence Interval of parameters of Normal Population .	15	15		
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VAAGDEVI DEGREE & PG COLLEGE

DEPARTMENT OF STATISTICS

COURSE FILE - V SEM--2022-23

Paper –V (Applied Statistics-I)

Name of the faculty	K. BALARAJU
Designation	Assistant Professor
Email	balarajuk81@gmail.com
Course Code	STA- V
Course Title	APPLIED STATISTICS
Academic Year / Semester	2022-23 / V-Sem
Number of Instructional Hours	63

1. INTRODUCTION TOF THE COURSE:

The term applied statistics is used to describe the work of trained statisticians who are in charge of the processing and dissemination of statistics, as well as the statistical analysis processes carried out by statisticians, professional users of statistics, and the general public.

Companies are looking for statisticians, data analysts, data scientists, and other experts with Applied Statistics experience who can visualize and analyze data, make sense of it all, and use it to solve real-world challenges, thanks to today's expanded access to big data. Companies have a lot of data, and correctly evaluating it will help them become more efficient and profitable. Data can be used by government departments, non-profits, and other organizations to help mitigate illness, gather critical population data, direct election efforts, and research potentially life-saving prescription drugs. Applied Statistics usually includes learning programming languages like SAS, R, and Python.

Vision

The philosophy is to concentrate learning and training activities on the art of probabilistic reasoning, i.e., the logic and principles that should guide rational decision making under conditions of limited information and uncertainty. This philosophy equips our students with skills that all employers consider desirable.

Mission

- The mission of the statistics is to provide excellent training in scientific data collection, data management, methods and procedures of data analysis.
- To provide excellent knowledge of STATISTICAL sciences for suitable career and groom them for national recognition.
- To encourage independent thinking and application-oriented collaborative research in the areas of contemporary interest to contribute to the development of the region and the nation.
- To provide effective teaching & learning environment for training graduates with values, entrepreneurial attitude and globally employable skills.
- To encourage participation in games & sports, co-curricular and extra-curricular activities resulting in overall personality development.

PROGRAM OUTCOMES

Core competency: - The students shall acquire core competency in the core subject and its allied subject areas.

Analytical ability: - The students will be able to demonstrate the knowledge in understanding research and addressing practical problems.

Critical Thinking and Problem Solving: - The students will be given fundamental concepts and their applications of scientific principles.

Digitally equipped: - The students will acquire digital skills and integrates the fundamental concepts with modern tools.

Ethical and psychological strengthen:- The students will also strengthen their ethical and moral values and shall be able to deal with psychological weaknesses.

Team Player: - The students shall be provided with team-workmanship in order to serve efficiently institutions, industry and society.

Independent Learner: - Apart from subject skills and generic skills, the students will be encouraged to gain knowledge and skills for further higher studies, competitive examinations and employment.

Effective Communication skills- The students will be provided with the necessary communication skills, mastering speaking, reading, listening and writing effectively and to contact the real world for a meaningful interaction.

Environment and Sustainability – The students shall understand the issues related to environment sustainability and development.

Effective citizenship – The students shall demonstrate empathetic social concern and equity centered national development and the ability to act with an informed awareness of issues and participate in civil life through volunteering.

PROGRAM SPECIFIC OUTCOMES

Program Specific Outcomes – B.Sc (Statistics)	<p>Students majoring in STATISTICS will develop a comprehensive understanding and appreciation in:</p> <p>To develop a deeper understanding of the scientific foundations of statistical theory and receive specialized training in model construction.</p> <p>Aim to provide a firm foundation in every aspect of Statistics.</p> <p>To detect and distribute data-driven perspectives that help market leaders make smarter decisions.</p> <p>To develop curiosity, creativity and understanding links of statistics to other disciplines.</p> <p>To collect, analyze, and evaluate data to assist businesses in making decisions.</p>
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Program objectives and Course out comes mapping

ASSESSMENT LEVELS: 0 – NOT MAPPED; 1 –MAPPED AT WEAK LEVEL; 2 – MAPPED AT MODERATE LEVEL; 3 – MAPPED AT SATISFACTORY LEVEL

COURSE TITLE			COURSE CODE			COURSE OUTCOMES				
APPLIED STATISTICS			BS 501- STA			CO1: To understand and analyze the concepts, definitions, Calculation of variances of population and sample. CO2: To understand the concepts, comparison and applications of Simple Random Sampling(SRS),Stratified and Systematic sampling. CO3: To understand the fundamental concepts of time series, components of time series. Measurements of seasonal and cyclic variations. CO4: To understand the concept and construction of Index numbers. Different types of Index numbers. Importance of weighted index, calculation of cost of living index and whole sale price index. To understand the concept of Base shifting, Splicing and Chain index.				
	PO -1	PO -2	PO -3	PO -4	PO -5	PO -6	PO -7	PO -8	PO -9	PO -10
CO -1	3	3	2	2	3	2	3	1	1	2
CO -2	2	2	3	2	2	1	3	1	1	2
CO -3	2	3	2	1	2	1	2	1	1	2
CO -4	3	2	3	3	2	3	3	1	2	2
TOTAL ATTIAINMENT	2.5	2.5	2.5	2	2.25	1.75	2.75	1	1.75	2.0

$W_{Pi} = \sum_j (CO_j) / 4 \text{ (i=1 to 10 and j=1 to 4) (} W_{Pi} \text{ is the Weight factor for Programme Outcome PO1)}$

CLASS TIME-TABLE

Department : **Statistics**

Class: MStCs-A- III YEAR (V SEM)

Academic Year: **2022-23**

DAY / HOURS	1 (9.00AM- 9.50 AM)	2 (9.50AM- 11.40 AM)	3 (11.40 AM- 12.30 AM)	4 (1.30 PM- 2.20 PM)	5 (2.20 PM- 3.10 PM)	6 (3.10 PM- 4.00 PM)
MON			STA			
TUE			STA			
WED		STA				
THURS		STA				
FRI	STA/CS LAB					
SAT	STA/CS LAB					

Subject Code	Subject	Name of the Faculty	Signature
BS-301	Statistics	K. BALARAJU	

KAKATIYA UNIVERSITY
U.G. Statistics (Under CBCS)
B.Sc. Final Year (BSC-1E)
SEMESTER - V

Applied Statistics-I

Unit-I

Design of Sample Surveys: Concepts of population, sample, sampling unit, parameters estimate, sample frame and standard error. Principal types of sample surveys - Need for sampling. Census versus Sample surveys, sampling and non-sampling errors, sources and measures of non-sampling errors, advantages and limitations of sampling, Subjective, variability and biased sampling methods. Methods of drawing random samples with and without replacement.

Unit-II

Types of sampling: Difference of population mean, total, and proportion, their variances and the estimates of variances in (i) SRS (or) and SRSWOR (ii) Stratified random sampling with proportional and System allocation (iii) Systematic sampling, when No-est. Comparison of relative efficiency. Advantages and disadvantages of above methods of sampling.

Unit-III

Time series: Time series and its components with illustrations, addition, multiplication and model models. Determination of trend by least squares, moving average methods, Growth curve and their fitting with reference to Modified exponential, Gompertz and Logistic curves. Discrimination of seasonal pattern by Ratio to moving average ratio to trend and link relative methods.

Unit-IV

Index Numbers: Concepts, construction, uses and limitations of simple and weighted index numbers. Laspeyres's, Paasche's and Fisher's index numbers, criticism of a good index number, additive method in the construction of index numbers. Fisher's index as ideal index number. Fixed and chain base index numbers. Use of living index numbers and Minimum price index numbers. Bias testing, reliability and diffusion of index numbers.

List of reference books:

1. V.K.Kapoor and T.C.Gujar: *Practical methods of Applied Statistics*, Sultan Chandra & Co.
2. Harnad Mukhopadhyay: *Applied Statistics*, New Central Book agency.
3. Durga Singh and Chandra Ray: *Theory and Analysis of Sample survey designs*, Wiley Eastern.
4. M.R.Saha: *Index Official Handbook*, ISI Publications.
5. S. P. Gupta: *Statistical Methods*, Sultan Chandra & Co.

Applied Statistics-I Practical

Sampling Techniques

1. Estimation of Population mean, population total and variance of these estimates by RRS (over and All known).
2. Comparison between RRS (over and All known).
3. Stratified random sampling with proportional and optimum allocations.
4. Comparison between proportional and optimum allocations with RRS (over).
5. Systematic sampling with $N \neq nk$.
6. Comparison of systematic sampling with Stratified and RRS (over).

Time Series Analysis

1. Measurement of trend by method of least squares.
2. Measurement of trend by method of moving averages.
3. Determination of seasonal indices by the method of Ratio method.
4. Determination of seasonal indices by the method of Ratio to moving averages.
5. Determination of seasonal indices by the method of Link-Relative.

Index Numbers

12. Computation of all weighted indices.
13. Comparison of Cost of living index number.
14. Base shifting, splitting and deflation of Index numbers.

(A) Final Examination:

Question Papers Pattern

KARUNIA UNIVERSITY

B.Sc. (STATISTICS)

Theory Question Paper Pattern

Academic Year: 2019-2022

Time: 3 hours

(Max. Marks: 80)

Section - A

Answer ALL questions. All questions carry equal marks. (4Qs(20+40))

Q1. (a)

(10)

From Q1(a-i)

Q1. (ii)

Q2. (a)

(20)

From Q1(a-i)

Q2. (ii)

Q3. (a)

(20)

From Q1(a-i)

Q3. (ii)

Q4. (a)

(20)

From Q1(a-i)

Q4. (ii)

Section - B

Answer any EIGHT questions. All questions carry equal marks. (8Qs(40+40))

Q5

Q6

Q7

From Q1(a-i)

Q8

Q9

Q10

From Q1(a-i)

Q11

Q12

Q13

From Q1(a-i)

Q14

Q15

Q16

From Q1(a-i)

TEACHING PLAN

S.No.	Unit / Topic	Teaching Planned on Date	No of Periods Planned	Course Outcomes	Teaching aids used	Books Referred
1	Design of Sample Surveys: Concepts of population, sample, sampling unit, parameter, statistic, sample frame and standard error. Principal steps in sample surveys - Need for sampling, Census versus Sample surveys, sampling and non- sampling errors, sources and treatment of non- sampling errors, advantages and limitations of sampling, Subjective, probability and mixed sampling methods. Methods of drawing random samples with and without replacement.	16/08/22 to 05/09/22	15	CO1 & CO2	Chalk and Black Board	Third Year statistics - <i>TeluguAcademy</i> . Applied Statistics by V.K. Kapoor & S.C. Gupta.
2	Types of sampling: Estimates of population mean, total, and proportion, their variances and the estimates of variances in (i) SRS(wr) and SRS(wor). (ii) Stratified random sampling with proportional and Neyman allocation (iii) Systematic sampling when $N = nk$. Comparison of relative efficiencies. Advantages and disadvantages of above methods of sampling.	06/09/22 to 25/09/22	15	CO1 & CO2	Chalk and Black Board	Third Year statistics - <i>TeluguAcademy</i> . Applied Statistics by V.K. Kapoor & S.C. Gupta.

3	Time series: Time series and its components with illustrations, additive, multiplicative and mixed models. Determination of trend by least squares, moving average methods. Growth curves and their fitting with reference to Modified exponential, Gompertz and Logistic curves. Determination of seasonal indices by Ratio to moving average, ratio to trend and link relative methods.	27/09/22 to 15/10/22	15	CO3	Chalk and Black Board	Third Year statistics - <i>TeluguAcademy.</i> Applied Statistics by V.K. Kapoor & S.C. Gupta.
4	Index Numbers: Concepts, construction, uses and limitations of simple and weighted index numbers. Laspeyres's, Paasche's and Fisher's index numbers, criterion of a good index numbers, problems involved in the construction of index numbers. Fisher's index as ideal index number. Fixed and chain base index numbers. Cost of living index numbers and wholesale price index numbers. Base shifting, splicing and deflation of index numbers.	16/10/22 to 05/11/22	15	CO4	Chalk and Black Board	Third Year statistics - <i>TeluguAcademy.</i> Applied Statistics by V.K. Kapoor & S.C. Gupta.

List of Recommended Text Books

S.No.	Name of the Book	Author
1	Fundamentals of Applied Statistics	V.K.Kapoor and S.C.Gupta
2	Introduction to Mathematical Statistics.	Hogg and Craig
3	First Year Statistics	Telugu Academy

List of Reference Text Books

S.No.	Name of the Book	Author
1	Statistical Methods.	S. P. Gupta
2	Applied Statistics	Parimal Mukhopadhyay
3	Theory and Analysis of Sample survey designs	Daroga Singh and Chowdhary

List of URL's to be Referred

S.NO.	Name of the URL
01	https://bookboon.com/en/applied-statistics-ebook
02	https://study.sagepub.com/mehmetogluandjakobsen

**METHODOLOGY FOR CONTINUOUS INTERNAL
EVALUATION & EXTERNAL ASSESSMENT:**

S. No.	NAME OF THE EXAM	MAX MARKS
01	Unit test	10
02	Internal examinations	20
03	Pre final examinations	80

RECORD OF TUTORIAL CLASSES CONDUCTED

S.No.	DATE	NAME OF FACULTY	TUTORIAL TOPIC
1	21/08/2022	K. BALARAJU	Census versus Sample surveys
2	29/08/2022	K. BALARAJU	Simple Random Sampling
3	04/09/2022	K. BALARAJU	Stratified Random Sampling
4	12/09/2022	K. BALARAJU	Principal Steps in Sample Survey
5	21/09/2022	K. BALARAJU	Systematic Sampling
6	28/09/2022	K. BALARAJU	Comparison of SRS and StRS
7	09/10/2022	K. BALARAJU	Components of Time Series
8	17/10/2022	K. BALARAJU	Secular Trend
9	28/10/2022	K. BALARAJU	Seasonal Variations
10	06/11/2022	K. BALARAJU	Mean chart.
11	10/11/2022	K. BALARAJU	np - Chart
12	11/11/2022	K. BALARAJU	C -Chart

RECORD OF MAKEUP CLASSES CONDUCTED

Date: 10/10/20212

Faculty Name: K. BALARAJU

Academic Year: 2022 - 2023

Reason: LESS SCORE IN FIRST INTERNAL

Period: From: 3:00 PM To: 4:00 PM

Total Duration: 1 Hour

Students Details:

S. No.	Roll No	Name of the Student
1	086214626	EDARA PRAKASH REDDY
2	086214642	JANNU ARJUN
3	086214656	MUCHHIMPULA THARUN
4	086214661	PANNALA ANIL

Date: 02/02/2022

Faculty Name: K. BALARAJU

Academic Year: 2021 - 2022

Reason: LESS SCORE IN SECOND INTERNAL

Period: From: 3:00 PM To: 4:00 PM

Total Duration: 1Hour

Students Details:

S.No.	Roll No	Name of the Student
1	086214608	BAIKANI SAMPATH
2	086214635	GOSHIKA SHRAVAN
3	086214655	MOHD ABDUL RAHMAN
4	086214661	PANNALA ANIL

RECORD OF STUDENT SEMINARS

Roll No.	Name of the Student	Topic
086214615	BOLLOJU RASHMITHA	Simple Random Sampling(SRS)
086214624	DODLA ANVESH	Principal steps in sample survey
086214668	SAGAR ROY	Stratified Random Sampling(StRS)
086214667	RAVULA SRUTHI	Optimum and Proportional Allocation
086214676	VENISHETTY SAI SRI RAM	Sample survey VS Census survey
086214677	VUDUGULA SHIVAKUMAR	Comparison of SRS and StRS



VAAGDEVI DEGREE&PG COLLEGE,

HANAMKONDA

III B.Sc (MStCs-A) –V SEM

STATISTICS - APPLIED STATISTICS

UNIT TEST- I

Answer the following questions

Each question carries 5 marks

2x5 = 10

1. Explain the principal steps in sample survey? And also differentiate sample survey vs Census survey?
2. In SRSWOR, Show that $\text{var}(\bar{y}) = \frac{N-n}{N} S^2$



VAAGDEVI DEGREE & P.G. COLLEGE

Kishanpura, Hanamkonda

BSC III Year, V- Semester

I- Internal Assessment -2020

STATISTICS

(Applied Statistics)

I. Multiple choice Questions

5M

1. In the following which is not advantage of sample ----- []
 a) less time b) easy computation c) less expensive d) accurate
2. Sampling error occurs due to ---- []
 a) sample b) sample size c) population d) population size
3. In SRSWR, $\text{var}(\bar{y}) =$ ----- []
 a) $\frac{N-n}{Nn} S^2$ b) $\frac{N-1}{Nn} S^2$ c) $\frac{N-1}{Nn} S^2$ d) $\frac{N-n}{Nn} S^2$
4. In proportional Allocation $n_i =$ ---- []
 a) $N \frac{M_i}{M}$ b) $n \frac{M_i}{M}$ c) $N \frac{M_i}{M}$ d) $n \frac{M_i}{M}$
5. In systematic sampling, the sample mean $\bar{y}_{sys} =$ ----- []
 a) $\frac{1}{n} \sum_{j=1}^n y_j$ b) $\frac{1}{n} \sum_{j=1}^n y_j$ c) $\frac{1}{k} \sum_{i=1}^k y_i$ d) $\frac{1}{k} \sum_{i=1}^k y_i$

II. Fill in the blanks

5M

- 6) In SRSWOR, $\text{COV}(\bar{x}, \bar{y}) =$ -----
- 7) In StRS, $\text{var}(\bar{y}_{st}) =$ -----
- 8) In optimum Allocation $n_i \propto$ -----
- 9) In StRS, $\text{var}(\bar{y}_{st})_{\text{opt}} =$ -----
- 10) In systematic sampling, $\text{var}(\bar{y}_{sys}) =$ -----

III. Matching 5M

- | | | |
|--|--------|-----------------------------------|
| 11) $\text{S.E}(\bar{y})_{\text{WOR}}$ | [] | a) \bar{y} |
| 12) $E(\bar{y}_{st})$ | [] | b) $\frac{N}{N-1} \sigma^2$ |
| 13) \bar{y}_{sys} | [] | c) $\frac{N}{N}$ |
| 14) S^2 | [] | d) $\sqrt{\frac{N-n}{Nn}} S$ |
| 15) $E(a_i)$ | [] | e) $\frac{1}{k} \sum_{i=1}^k y_i$ |

IV. Assignment

5M



VAAGDEVI DEGREE&PG COLLEGE

HANAMKONDA

III B.Sc (MStCs-A) –V SEM

STATISTICS - APPLIED STATISTICS

UNIT TEST-II

Answer the following questions

Each carries 5 marks

2x5 = 10

1. Define Time series and explain about components of time series.
2. Define seasonal variations and explain the Ratio to trend method to finding seasonal variations.



VAAGDEVI DEGREE & P.G. COLLEGE

Kishanpura, Hanamkonda

BSC III Year, V- Semester

II- Internal Assessment -2022

STATISTICS

(Applied Statistics)

I) Multiple choice questions

(5X1=5)

1. The Time Series is a ... []
 A) Chronic order B) Crony order C) Ascending order D) Chronological order
2. The Secular word is derived from Latin word is... []
 A) Celluloid B) Secculam C) Spectrum D) Speculum
3. The Semi Averages method provides only ... []
 A) +ve trend B) -ve trend C) both D) none of this
4. The Gompertz equation is... []
 A) $y = ae^{bt^x}$ B) $y = ae^{ct^x}$ C) $y = ae^{bt}$ D) $y = ae^{kt}$
5. The Link relative formula for Seasonal variation is... []
 A) $\frac{\frac{SA}{SA} \times 100}{\frac{SA}{SA} \times 100}$ B) $\frac{\frac{SA}{SA} \times 100}{\frac{SA}{SA} \times 100}$ C) $\frac{CR}{\text{avg of CR}} \times 100$ D) none of this

II) Fill in the blank questions

(5X1=5)

6. In Cyclic variation, generally the time period is.....
7. In Chain Relative (CR) method, the CR =.....
8. In Simple Aggregative Method, the Price Index Number P_n =.....
9. The Laspeyres's Quantity Index Q_n =.....
10. The Value Index in terms of Price and Quantity Index is given by V_n =

III) Match the following

(5X1=5)

Part A

Part B

- | | | | |
|------------------------------|--------|----|---|
| 11. Modified exponential eqn | [] | a. | $y = \frac{K}{1 + e^{a-bx}}$ |
| 12. Drobish-Bowley Index | [] | b. | $y = ae^{bx}$ |
| 13. Fisher Index | [] | c. | $y = a + bc^t$ |
| 14. Logistic equation | [] | d. | $(P_0^{1/2} \times P_n^{1/2})^{1/2}$ |
| 15. Exponential equation | [] | e. | $\frac{P_{01}^{1/2} + P_{02}^{1/2}}{2}$ |

IV. Assignment

5 Marks



VAAGDEVI DEGREE & P.G. COLLEGE

Kishanpura, Hanamkonda

BSC III Year, v- Semester

Pre-Final examination -2021

STATISTICS

(Applied Statistics)

SECTION-A(4x20 = 80)

(Long Answer Type)

Answer all questions Each question carries 20 marks.

1. a) What is a simple random sampling? Mention the various methods of drawing a random sample. And show that $E(\bar{y}) = \bar{Y}$.
- b) In sample random sampling without replacement with usual notation, show that $E(s^2) = S^2$.

(or)

2. a) With usual notation, prove that $V(\bar{y})_{\text{opt}} \leq V(\bar{y})_{\text{prop}} \leq V(\bar{y})_{\text{ran}}$
- b) Show that in systematic sampling the variance of the sample mean is given by

$$V(\bar{y})_{\text{sys}} = \frac{nk-1}{nk} \cdot \frac{s^2}{n} \{1 - (n-1)\rho\} \frac{nk-1}{nk} \cdot \frac{s^2}{n} \{1 - (n-1)\rho\}$$

Where ρ is the interclass correlation coefficient?

3. a) Explain the statistical analysis of one-way classification.
- b) What are the basic principles of the experimental design? How these are applied in completely Randomized Design?

(or)

4. a) Explain the procedure of estimating one-missing value in R.B.D
- b) What is L.S.D? Explain analysis of L.S.D.
5. a) What is time series? Explain.
 - (i) Secular trend
 - (ii) Seasonal and cyclic variations
 - (iii) Random changes.

b) Fit a straight line trend by the method of least squares to the following data.

Year	2003	2004	2005	2006	2007	2008	2009
Production	67	77	84	75	81	88	80

(or)

6. a) What is an index number? Explain various problems involved in the construction of an index number.

b) State and explain the Fisher's ideal index formula. Why is it called ideal?

7. a) Explain different sources of vital statistical data.
b) Define a life table and describe the various components of a life table.
- (or)
8. a) Define price elasticity and income elasticity of demand and write their utility in economic analysis.
b) Explain praetor law of income distribution.

SECTION-B (4x5=20)

(Short Answer type)

Answer any four questions Each question carries 5 marks

9. Explain principle steps in survey sampling.
10. Explain method of proportional allocation.
11. Efficiency of RBD with respect to CRD.
12. Role of randomization in experimental designs.
13. Explain ratio to trend method.
14. Explain “splicing” in index number.
15. What is abridged life –table? Discuss its importance in vital statistics.
16. Explain the Leontief’s method.

STUDENT PROGRESSION AND MARKS STATEMENT
MStCs-V-A SEM

H.NO.	NAME OF THE STUDENT	UNIT TEST-1	INTERNAL EXAM-1	UNIT TEST-2	INTERNAL EXAM-2
086214601	ADEPU SRIKAR	8	20	9	20
086214602	ADIDELA PREMENDER REDDY	7	15	8	18
086214604	ALUGU LATHA	6	18	7	18
086214606	AVUNURI ISHWARYA	7	14	8	16
086214607	BAGI SURENDAR	6	19	7	19
086214608	BAIKANI SAMPATH	9	17	10	17
086214609	BATHINI CHITHRA	7	15	8	19
086214611	BODDU RAJESH	8	17	9	17
086214613	BOJJA GAJALA	9	16	10	18
086214614	BOJJA ROHITH	8	19	9	19
086214615	BOLLOJU RASHMITHA	7	17	8	17
086214616	BOMMAGANI PRATHYUSHA	7	14	8	14
086214618	CHALLA NARESH	9	17	10	17
086214622	CHOWDARAPU AKSHAY	7	14	8	17
086214623	DEGALA HARINATH	7	17	8	17
086214624	DODLA ANVESH	6	16	7	16
086214625	DOKIRE SRIKANTH	7	13	8	15
086214626	EDARA PRAKASH REDDY	8	17	9	17
086214628	EEDUNOORI SATHWIK	7	19	8	19
086214631	ESALLA ADITHYA	6	14	7	17
086214635	GOSHIKA SHRAVAN	6	17	7	17
086214642	JANNU ARJUN	7	18	8	18
086214647	KOLLURU SHASHANK	7	16	8	16

086214649	MACHARLA KEERTHI	8	17	9	17
086214652	MOHAMMAD RAZAQ	8	17	9	17
086214655	MOHD ABDUL RAHMAN	8	14	9	19
086214656	MUCHHIMPULA THARUN	7	10	8	15
086214660	PANCHAGIRI DHARAMA TEJA	7	17	8	17
086214661	PANNALA ANIL	6	15	7	15
086214662	PARLAPELLI SRI VAMSHI KUMAR	7	12	8	15
086214663	POGULA SRIKANTH	7	12	8	12
086214664	POTU PRASHANTH	6	17	7	17
086214665	PULI SAIKIRAN	7	17	8	17
086214667	RAVULA SRUTHI	7	18	8	18
086214668	SAGAR ROY	8	18	9	18
086214670	THIPIREDDY ROHITH	6	18	7	18
086214672	VAINALA SAHITHI	8	20	9	20
086214673	VAJINAPALLY VIVEK	7	18	8	18
086214676	VENISHETTY SAI SRI RAM	8	16	9	16
086214677	VUDUGULA SHIVAKUMAR	8	19	9	19
086214680	HARSH SINGH RAJPUT	9	17	10	17

Teaching Notes

Unit No	Topics	Synopsis	Hours allotted	Hours taught	Extra hours taken	Reason
UNIT-I	Design of Sample Surveys:	Concepts of population, sample, sampling unit, parameter, statistic, sample frame and standard error. Principal steps in sample surveys - Need for sampling, Census versus Sample surveys, sampling and non-sampling errors, sources and treatment of non-sampling errors, advantages and limitations of sampling, Subjective, probability and mixed sampling methods. Methods of drawing random samples with and without replacement.	15	16	01	Deep explanation of sampling
UNIT-II	Types of sampling:	Estimates of population mean, total, and proportion, their variances and the estimates of variances in (i) SRS(wr) and SRS(wor). (ii) Stratified random sampling with proportional and Neyman allocation (iii) Systematic sampling when $N = nk$. Comparison of relative efficiencies. Advantages and disadvantages of above methods of sampling.	15	15		

UNIT-III	Time series:	Time series and its components with illustrations, additive, multiplicative and mixed models. Determination of trend by least squares, moving average methods. Growth curves and their fitting with reference to Modified exponential, Gompertz and Logistic curves. Determination of seasonal indices by Ratio to moving average, ratio to trend and link relative methods	15	15		
Unit-IV	Index Numbers:	Concepts, construction, uses and limitations of simple and weighted index numbers. Laspeyer's, Paasche's and Fisher's index numbers, criterion of a good index numbers, problems involved in the construction of index numbers. Fisher's index as ideal index number. Fixed and chain base index numbers. Cost of living index numbers and wholesale price index numbers. Base shifting, splicing and deflation of index numbers.	15	16	01	No. of examples explained



VAAGDEVI DEGREE & PG COLLEGE

DIST: HANUMAKONDA, TELANGANA STATE-506001

(Affiliated to Kakatiya University, Warangal)

(e-mail: contact@vaagdevicolleges.com)

website: www.vaagdevicolleges.com)

Criterion: I

Teaching Plans

Zoology



VAAGDEVI DEGREE & PG COLLEGE

DEPARTMENT OF ZOOLOGY

COURSE FILE - III SEM—2022-2023

Paper –III(Animal physiology and animal behaviour)

Name of the faculty	Dr. P.Suresh P.Tejaswini J.Mounika A.Kashinadham A.Radhika.
Designation	ASSISTANT PROFESSORS
Email	spsurya10@gmail.com
Course Code	ZOO-III
Course Title	Animal physiology and animal behaviour
Academic Year / Semester	2022-23 / III-Sem
Number of Instructional Hours	60

1. INTRODUCTION OF THE COURSE:

Animal physiology, the scientific study of functions and mechanisms of living systems, is an essential area of research in its own right, but also in relation to medicine and health sciences. The scope of this topic will range from **molecular, biochemical, cellular, and physiological processes in all animal species**. Therefore, the proper studying of animal physiology is crucial for understanding and evaluating underlying biological processes, behavioral states and animal response to different biological, social and environmental stimuli. Claude Bernard--"the father of physiology"

Vision and Mission

- ▶ To ensure that students develop an interest, curiosity in academics and are exposed to practical training which will enhance their theoretical understanding and increase an aptitude for exploration.
- ▶ They will be encouraged to develop scientific temperament, analytical skills and to take up internships, which would become the stepping stone to success in research/ job opportunity

PROGRAM OUTCOMES

PO1. Critical Thinking: Take informed actions after identifying the assumptions that frame our thinking and actions, checking out the degree to which these assumptions are accurate and valid, and looking at our ideas and decisions (intellectual, organizational, and personal) from different perspectives.

PO2. Effective Communication: Speak, read, write and listen clearly in person and through electronic media in English and in one Indian language, and make meaning of the world by connecting people, ideas, books, media and technology.

PO3. Social Interaction: Elicit views of others, mediate disagreements and help reach conclusions in group settings.

PO4. Effective Citizenship: Demonstrate empathetic social concern and equity centred national development, and the ability to act with an informed awareness of issues and participate in civic life through volunteering.

PO5. Ethics: Recognize different value systems including your own, understand the moral dimensions of your decisions, and accept responsibility for them.

PO6. Environment and Sustainability: Understand the issues of environmental contexts and sustainable development.

PO7. Self-directed and Life-long Learning: Acquire the ability to engage in independent and life-long learning in the broadest context socio-technological changes

PROGRAM SPECIFIC OUTCOMES

Program Specific Outcomes – B.Sc (Zoology)	<ul style="list-style-type: none">. Understand the nature and basic concepts of cell biology, Biochemistry, Taxonomy and ecology.. Analyse the relationships among animals, plants and microbes. Perform procedures as per laboratory standards in the areas of Biochemistry, Bioinformatics, Taxonomy, Economic Zoology and Ecology. Understand the applications of biological sciences in Apiculture, Aquaculture, Agriculture and Medicine Sample
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Program objectives and Course out comes mapping

ASSESSMENT LEVELS: 0 – NOT MAPPED; 1 –MAPPED AT WEAK LEVEL; 2 – MAPPED AT MODERATE LEVEL; 3 – MAPPED AT SATISFACTORY LEVEL

COURSE TITLE			COURSE CODE					COURSE OUTCOMES		
Animal physiology and animal behaviour			BS 3 ZOO-III					<p>CO1: To understand and got idea among digestive enzymes, hormones and their role in digestion, how food chemically digested, absorption, assimilation.</p> <p>Learn the excretion is the process of removing wastes and excess water from the body. It is one of the major ways the body maintains homeostasis.</p> <p>CO2: To understand respiratory system is the network of organs and tissues that help you breathe. The main function of the circulatory system is to provide oxygen, nutrients and hormones to muscles, tissues and organs throughout your body.</p> <p>CO3:To study types of muscles, their structure, functions and how the nervous system works, transmission of nerve impulse and endocrine glands and their functions and menstrual cycle in human.</p> <p>CO4: To learn different types of animal behaviour, types of learning, memory, social behaviour and communication in insects, biological clocks and circadian rythms.</p>		
	PO -1	PO -2	PO -3	PO -4	PO -5	PO -6	PO -7			
CO -1	4	3	3	2	2	4	3			
CO -2	4	3	3	2	2	4	3			
CO -3	4	4	4	3	3	4	2			
CO -4	3	4	4	3	3	4	4			
TOTAL ATTAINMENT	3.75	4.0	4.0	2.25	2.25	4.0	3.0			

$$W_{Pi} = \sum_j (CO_j) / 4 \quad (i=1 \text{ to } 10 \text{ and } j=1 \text{ to } 4) \quad (W_{Pi} \text{ is the Weight factor for Programme Outcome PO1})$$

Subject Code	Subject	Name of the Faculty	Signature
BS-306	Zoology	Dr. P. Suresh P.Tejaswini J.Mounika A.Kashinadham A.Radhika.	

KAKATIYA UNIVERSITY
Under Graduate Courses (Under CBCS 2019 - 2022)
B.Sc. ZOOLOGY II Year
SEMESTER – III

ANIMAL PHYSIOLOGY AND ANIMAL BEHAVIOUR

Theory	4 Hours/Week	4 Credit	Internal marks = 20
Practical	3 Hours/Week	1 Credit	External Marks = 80

UNIT – I

1.1 Digestion

- 1.1.1 Enzymes: Definition, Classification, Inhibition, Regulation
- 1.1.2 Digestion of Carbohydrates, Proteins, Lipids and Cellulose
- 1.1.3 Absorption and Assimilation of digested food
- 1.1.4 Role of Gastrointestinal hormones in digestion

1.2 Excretion, Homeostasis and Osmoregulation

- 1.2.1 Classification of Animals on the basis of excretory products: Ammonotelic, Ureotelic, and Uricotelic; Structure and function of Nephron
- 1.2.2 Urine formation and Counter current mechanism
- 1.2.3 Concept and Mechanism of Homeostasis
 - a) Hormone regulation of Blood Glucose levels in Human being
 - b) Water and Ionic Regulation by Marine and Fresh water Animals
 - c) Thermoregulation in Human being
- 1.2.4 Osmoregulation in Marine, Fresh and Brackish water Animals

UNIT – II

2.1 Respiration

- 2.1.1 Definition of Respiration, Respiration mechanism, External, Internal and Cellular Respiration.
- 2.1.2 Respiratory Pigments; Transport of Oxygen, Oxygen dissociation curves, and Bohr's Effect;
- 2.1.3 Transport of Carbon dioxide, Chloride shift
- 2.1.4 Regulation of Respiration; Nervous and Chemical Mechanisms

2.2 Circulation

- 2.2.1 Types of Circulation Open and Closed; Structure of Mammalian Heart
- 2.2.2 Types of Hearts: Myogenic and Neurogenic
- 2.2.3 Heart functions - Conduction and Regulation of Heart beat, Regulation of Heart rate; ECG
- 2.2.4 Tachycardia and Bradycardia; Blood Clotting mechanism

UNIT – III

3.1 Muscle Contraction

- 3.1.1 Types of Muscles
- 3.1.2 Ultra structure of skeletal muscle fibres
- 3.1.3 Mechanism and Chemical changes during Muscle Contraction (Sliding filament theory)
- 3.1.4 Twitch Tetanus summation and Treppe fatigue

3.2 Nerve Impulse

3.2.1 Structure of Neuron

3.2.2 Nerve impulse - Resting potential, Threshold potential and Action potential, Conduction of Nerve impulse

3.2.3 Transmission of Nerve impulse

3.2.4 Synapse and Synaptic transmission; Neurotransmitters-EPSP, IPSP

3.3 Endocrine System

3.3.1 Endocrine glands - Structure, secretions and functions of Pituitary gland

3.3.2 Thyroid, Parathyroid, Adrenal glands and Pancreas

3.3.3 Hormone action and Concept of Secondary messengers

3.3.4 Male and Female Hormones; Hormonal control of Menstrual cycle in human beings

UNIT – IV

4.1 Animal Behaviour

4.1.1 Types of Behaviour- Innate and Acquired; Instinctive and Motivated behaviour

4.1.2 Taxes, Reflexes, Tropisms

4.2 Learning and Memory

4.2.1 **Types of Learning:** Trial and Error Learning, Imprinting, Habituation

4.2.2 **Conditioning:** Classical Conditioning; Instrumental conditioning, Examples of Conditioning,
Pavlov's Experiment

4.3 Social Behaviour and Communication

4.3.1 Social behaviour of insects (Dance language of honey bees) Colonial Existence of Bees and Termites; Pheromones

4.4 Biological Rhythms

4.4.1 Biological Clocks, Circadian Rhythms; solar and lunar Rhythms; Circannual Rhythms

Suggested Readings:

1. **Gerard J. Tortora and Sandra Reynolds Garbowski** *Principles of Anatomy and Physiology*, Tenth Ed., John Wiley & Sons
2. **Arthur C. Guyton MD**, *A Text Book of Medical Physiology*, Eleventh ed., John E. Hall, Harcourt Asia Ltd.
3. **William F. Ganong**, *A Review of Medical Physiology*, 22 ed, McGraw Hill, 2005
4. **Sherwood, Klandrof, Yanc**, *Animal Physiology*, Thompson Brooks/Coole, 2005.
5. **Sherwood, Klandrof, Yanc**, *Human Physiology*, Thompson Brooks/Coole, 2005.
6. **Knut Schmidt-Nielson**, *Animal Physiology*, 5th edition, Cambridge Low Price Edition.
7. **Roger Eckert and Randal**, *Animal Physiology*, 4th ed, Freeman Co, New York.
8. **Singh. H.R**, *Text Book of Animal Physiology and Biochemistry*
9. **Nagabhushanam**, *Comparative Animal Physiology*
10. **Veer Bal Rastogi**, *Text Book of Animal Physiology*
11. **Dasmann**, "Wild Life Biology"
12. **Reena Mathur**, "Animal Behaviour"
13. **Alocock**, "Animal Behaviour- an Evolutionary Approach"

KAKATIYA UNIVERSITY
Under Graduate Courses (Under CBCS 2020- 2021)
B.Sc. ZOOLOGY II Year
SEMESTER – III
ANIMAL PHYSIOLOGY AND ANIMAL BEHAVIOUR
(PRACTICAL)

Instruction: 3 hrs per week

No. of Credits: 1

1. Qualitative tests for identification of carbohydrates, proteins and fats
2. Qualitative tests for identification of ammonia, urea and uric acid (Nitrogenous excretory products)
3. Zonation of gut in Cockroaches
4. Study on effect of pH and Temperature on salivary amylase activity
5. Study of permanent histological sections of mammalian endocrinal glands:
Pituitary, Thyroid, Pancreas, Adrenal gland
6. Estimation of Haemoglobin by Sahli's method
7. Estimation of Blood Clotting time
8. Estimation of total protein by Biuret's method
9. Estimation of unit metabolism of fish

• **Laboratory Record work shall be submitted at the time of practical examination**

• **Computer aided techniques should be adopted as per UGC guide lines.**

Suggested manuals:

Tortora, G.J. and Derrickson, B.H. (2009).*Principles of Anatomy and Physiology*, XII Edition, John Wiley & Sons, Inc.

Widmaier, E.P., Raff, H. and Strang, K.T. (2008) *Vander's Human Physiology*, XI Edition., McGraw Hill

Guyton, A.C. and Hall, J.E. (2011). *Textbook of Medical Physiology*, XII Edition, Harcourt Asia Pvt. Ltd/ W.B. Saunders Company

Berg, J. M., Tymoczko, J. L. and Stryer, L. (2006).*Biochemistry*.VI Edition. W.H Freeman and Co.

Nelson, D. L., Cox, M. M. and Lehninger, A.L. (2009).*Principles of Biochemistry*. IV Edition. W.H. Freeman and Co.

Murray, R.K., Granner, D.K., Mayes, P.A. and Rodwell, V.W. (2009).

Harper's Illustrated Biochemistry. XXVIII Edition. Lange Medical Books/Mc GrawHill

TEACHING PLAN

S.No.	Unit / Topic	Teaching Planned on Date	No of Periods Planned	Course Outcomes	Teaching aids used	Books Referred
1	Digestion: Enzymes definition, classification, inhibition, regulation and digestion of carbohydrates, proteins and lipids, absorption and assimilation of digested food role of gastrointestinal hormones in digestion Excretion, homeostasis and osmoregulation: Classification of animals based on excretory products, structure and function of nephron, urine formation. Concept and mechanism of homeostasis, osmoregulation, water and ionic regulation in marine and fresh water animals	18/08/22 TO 30/09/22	20	CO1	BLACK BOARD, CHALK, CHARTS AND DUSTER	Second Year Zoology - <i>TeluguAcademy</i> . “A text book of medical physiology” by Arthur C.Guyton MD
2	Respiration: Definition, mechanism of respiration, respiratory pigments, transport of oxygen and carbon dioxide, regulation of respiration. Circulation: Types of circulation, structure of mammalian heart, types of hearts, heart functions, conduction of heart beat, regulation of heart rate&ECG, tachycardia, bradycardia and blood clotting mechanism	10/10/22 TO 4/11/22	22	CO2	BLACK BOARD, CHALK AND DUSTER, CHARTS ICT CLASS ROOM	Second Year Zoology - <i>TeluguAcademy</i> . “Principles of Anatomy and Physiology” tenth.Ed., john wiley&sons ,by Gerard J.Tortora and Sandra Reynolds Garbowski.

3	<p>Muscle contraction: Types of muscles, ultra structure of skeletal muscle fibre, mechanism and chemical changes during muscle contraction(sliding filament theory), twitch, tetanus, fatigue</p> <p>Nerve impulse: structure of neuron, nerve impulse, transmission of nerve impulse, synapse and synaptic transmission.</p> <p>Endocrine system: Endocrine glands structure, secretions and function, hormone action, male and female hormones, hormonal control of menstrual cycle in human.</p>	7/11/22 TO 24/11/22	22	CO3	BLACK BOARD, CHALK, OHP AND DUSTER	Second Year Zoology - <i>TeluguAcademy.</i> “Human physiology”-by Sherwood, Klandrof, Yanc
4	<p>Animal behaviour: Types of behaviour, innate, acquired, taxes, reflexes, tropisms. Types of learning trial and error learning, imprinting, habituation. Classical, instrumental conditioning, pavlov’s experiment. Social behaviour and communication of insects (Dance language of honey bees) colonial existence of bees, termites and pheromones. Biological clocks, circadian rhythms, solar and lunar rhythms, circannual rhythms.</p>	1/12/22 TO 15/12/23	21	CO4	BLACK BOARD, CHALK AND DUSTER ICT CLASS ROOM	Second Year Zoology - <i>TeluguAcademy.</i> “Animal behaviour”-by Reena Mathur

List of Recommended Text Books

S.No.	Name of the Book	Author
1	Principles of Anatomy and Physiology tenth.Ed., John Wiley & Sons	Gerard J. Tortora and Sandra Reynolds Garbowski
2	A text book of medical physiology	Arthur C. Guyton MD
3	Second Year Zoology	Telugu Academy

List of Reference Text Books

S.No.	Name of the Book	Author
1	Text book of Animal physiology and Biochemistry	Singh. H.R.
2	Comparative animal physiology	Nagabhushanam
3	Animal behaviour-an evolutionary approach	Alcock

List of URL's to be Referred

S.NO.	Name of the URL
01	https://www.wcupa.edu/appliedstatistics
02	https://study.sagepub.com/mehmetogluandjakobsen

**METHODOLOGY FOR CONTINUOUS INTERNAL
EVALUATION & EXTERNAL ASSESSMENT:**

S. No.	NAME OF THE EXAM	MAX MARKS
01	Unit test	10
02	Internal examinations	20
03	Pre final examinations	80

RECORD OF TUTORIAL CLASSES CONDUCTED

S.No.	DATE	NAME OF FACULTY	TUTORIAL TOPIC
1	18/08/2022	Dr. P.Suresh P.Tejaswini J.Mounika A.Kashinadham A.Radhika.	digestion of carbohydrates
2	07/09/2022	Dr. P.Suresh P.Tejaswini J.Mounika A.Kashinadham A.Radhika.	role of gastrointestinal hormones in digestion
3	13/09/2022	Dr. P.Suresh P.Tejaswini J.Mounika A.Kashinadham A.Radhika.	Classification of animals based on their excretory products
4	21/09/2022	Dr. P.Suresh P.Tejaswini J.Mounika A.Kashinadham A.Radhika.	counter current mechanism of urine formation
5	10/10/2022	Dr. P.Suresh P.Tejaswini J.Mounika A.Kashinadham A.Radhika.	respiratory pigments

6	17/10/2022	Dr. P.Suresh P.Tejaswini J.Mounika A.Kashinadham A.Radhika.	transport of carbon dioxide and chloride shift
7	02/11/2022	Dr. P.Suresh P.Tejaswini J.Mounika A.Kashinadham A.Radhika.	ECG, Tachycardia and bradycardia
8	09/11/2022	Dr. P.Suresh P.Tejaswini J.Mounika A.Kashinadham A.Radhika.	sliding filament theory of muscle contraction
9	21/11/2022	Dr. P.Suresh P.Tejaswini J.Mounika A.Kashinadham A.Radhika.	endocrine glands, menstrual cycle in human
10	29/11/2022	Dr. P.Suresh P.Tejaswini J.Mounika A.Kashinadham A.Radhika.	Types of behaviour
11	5/12/2022	Dr. P.Suresh P.Tejaswini J.Mounika A.Kashinadham A.Radhika.	communication in honey bees and their dance language

**VAAGDEVI DEGREE&PG COLLEGE,
HANAMKONDA
B.Sc Zoology -II Year (BZC-B) –III SEM
ANIMAL PHYSIOLOGY AND ANIMAL BEHAVIOUR
UNIT TEST- I**

Answer the following questions

Each question carries 5 marks

2x5 = 10

1. Classification of animals based on their excretory products
2. Explain about enzyme inhibition

VAAGDEVI DEGREE & P.G. COLLEGE
Kishanpura, Hanamkonda
BZC- Zoology II Year, III- Semester
I- Internal Assessment -2020-21
ZOOLOGY
(Animal physiology and animal behaviour)

All questions carry equal marks



Marks: 20

I. Multiple choice questions

Marks: 5x1=05

1. The small intestine has three parts. The first part is called ()
1. Duodenum 2. Oesophagus 3. Larynx 4. None of the above
2. The inherited behavior is called instincts ()
1. Imprinting 2. Learning 3. Maturation 4. Instinct
3. The normal diastolic blood pressure in a normal healthy adult human is ()
1. 80 mm Hg 2. 60 mm Hg 3. 90 mm Hg 4. 110 mm Hg
4. Pancreatic juice is stimulated by the release of ()
1. Secretin 2. Cholecystokinin 3. Enterokinase 4. Both (1) and (2)
5. Name the gland that is located at the base of the throat, just inferior to the laryngeal prominence (Adam's apple). ()
1. Pituitary. 2. Pineal gland. 3. Hypothalamus. 4. Thyroid.

II. Fill in the blanks

5x1=05

1. _____ is a characteristic feature of epithelial cells of the intestine
2. _____ is a blood disorder where the haemoglobin is defective
3. Active uptake of sodium is promoted by action of enzyme known as _____
4. _____ is a product of aerobic respiration
5. Calcium, during muscle contraction binds with _____

III. Match the following

5x1=05

- | | | |
|------------------|---------|-------------|
| 1. Protein | () | a. Pepsin |
| 2. Lactose | () | b. Nuclease |
| 3. Starch | () | c. Lipase |
| 4. Fats | () | d. Lactose |
| 5. Nucleic acids | () | e. amilase |

IV. Assignment

5M

**VAAGDEVI DEGREE&PG COLLEGE
HANAMKONDA
B.Sc, Zoology-II Year (BZC-B) –III SEM
ANIMAL PHYSIOLOGY AND ANIMAL BEHAVIOUR**

UNIT TEST-II

Answer the following questions

Each question carries 5 marks

2x5 = 10

1. Ultra structure of skeletal muscle fibre
2. Types of behaviour innate and acquired.

VAAGDEVI DEGREE & P.G. COLLEGE

Kishanpura, Hanamkonda

BZC- Zoology II Year, III- Semester

II- Internal Assessment -2020-21

ZOOLOGY

(Animal physiology and animal behaviour)

Total marks:20

I. Multiple choice questions

Marks: 5x1=05

1. The decrease in response to repeated or continuous stimulation is called ()

- a. Instinct b. maturation c. habituation d. Imprinting

2. Chymosin is also known as ()

- a.Lipase b.Amylase c.Trypsin d.Rennin

3. The length of this is reduced while the muscle contracts ()

- a. sarcomere b. I-Band c. A-Band d. H-Zone

4. Nissl's granules are found in ()

- a. Nerve cells b. WBC c. RBC d. Platelets

5 .On oxidation of 1 molecule of glucose,___ATP is produced by aerobic respiration()

- a.10 b.25 c.30 d.38

II. Fill in the blanks

Marks: 5x1=05

1._____ is a product of aerobic respiration

2._____ artery passes blood to the kidney

3. In humans, _____ is the difference between systolic and diastolic pressure.

4._____ gland is located just superior to the kidneys?

5._____ is the neurons carrying impulses away from the central nervous system

III. Match the following

Marks: 5x1=05

1. Salivary gland () a. Storage of undigested food

- 2. Stomach () d. Digestion is completed
- 3. Liver () c. Saliva secretion
- 4. Rectum () d. Acid releases
- 5. Small intestine () e. Bile juice

IV. Assignment

5 Marks

VAAGDEVI DEGREE & P.G. COLLEGE

Kishanpura, Hanamkonda

BZC- Zoology II Year, III- Semester

Pre final exam -2020-21

ZOOLOGY

(Animal physiology and animal behaviour)

Time: 3 hours

Max.

Marks: 80

Section-A (Marks 4x10=40)

I. Answer any **four** questions

- 1. Difference between neurogenic and myogenic hearts
- 2. Thyroid gland
- 3. Structure of neuron
- 4. Dance language of honeybees
- 5. Circadian rhythms
- 6. Mechanism of homeostasis
- 7. Ornithine cycle
- 8. Respiratory pigments

Section-B (Marks 2x20=40)

II. Answer any **two** questions

- 1. Describe the mechanism of muscle contraction in detail. (Ultra structure of skeletal muscle properties, theories and energetics).
- 2. Write in detail about the types of behaviour.

3. Digestion of proteins and carbohydrates and lipids. Write a note on gastro intestinal hormones.
4. Describe the mechanism of transport of oxygen and carbon dioxide. Write a note on regulation of respiration.

STUDENT PROGRESSION AND MARKS STATEMENT

BZCS-I SEM

HT.NO	NAME OF THE STUDENT	UNIT TEST-1	INTERNAL EXAM-1	INTERNAL EXAM-2	Pre-final
086213501	ANJALA NITHIN .	8	13	19	35
086213502	AVUNURI POOJITHA	7	12	17	33
086213503	BIYYALA SRI LAKSHMI	6	18	20	38
086213504	BOGGULA SRIHARIKA	7	12	18	37
086213505	MACHARLA CHANDU	6	15	18	38
086213506	CHOPPARY SAI CHARAN	9	15	19	38
086213507	DADI SOUMYA	9	14	18	37
086213508	DESHETTI PRAVALIKA	10	15	19	38
086213509	DONGALA MEGHANA	9	17	19	38
086213510	ENIGALA PRAHALYA	8	14	15	32
086213511	GANDLA UMA SATYAVATHI	10	19	20	38
086213513	GANTA BHARATHREDDY	7	13	14	30
086213514	GUDIKANDULA GREESHMA	9	18	19	37
086213515	GUDUGUNDLA PUJITHA	7	19	15	31
086213516	GUNDE ANJALI	9	10	18	36
086213517	KANDULA KEERTHANA	6	13	19	36
086213518	KATHULA AKASH	7	15	20	37
086213519	LAKKA RAJESHWARI	8	20	20	39
086213520	MUDAPU DURGAPRASAD	9	14	19	35

086213521	MUDIKA SPANDANA	6	15	20	33
086213522	MUTHINENI UDAY KIRAN	6	12	18	32
086213523	PULI HARISH	10	15	15	34
086213524	RADHARAPU NIKITH	7	14	15	34
086213525	SAMUDRALA NAVEEN	8	12	18	31
086213526	SARVU POOJITHA	8	14	15	32
086213527	TALLA NIKSHIPTHA	8	14	19	37

STUDENT PROGRESSION AND MARKS STATEMENT

FSZC-I SEM

HT.NO	NAME OF THE STUDENT	UNIT TEST-1	INTERNAL EXAM-1	INTERNAL EXAM-2	Pre-final
086213401	ADIBA SAMREEN	8	20	20	37
086213402	ERROJU SRAVYA SRI .	7	14	19	38
086213403	GUDEPU BINDUSRI	6	20	20	38
086213404	HABEEBUNNISSA BEGUM	7	20	20	38
086213405	JALLIGAMPALA SATHYANARAYANA	6	14	15	30
086213406	KOYYADA SHIVANI	9	19	20	36
086213407	KURLA SOUMYA	9	11	19	37
086213408	MACHARLA SARITHA	10	14	19	38
086213409	MOHAMMED RAHIYA	9	18	20	38
086213410	NAMALA BHARANI	8	18	20	37
086213411	POLABOENA SAI SUPRIYA	10	19	19	38
086213412	SANA KHATOON	7	17	20	39

086213413	SANIA MAHVEEN	9	19	20	38
086213414	THANDA SATHWIK	7	17	19	37
086213415	VELDANDI POOJITHA	9	12	18	37
086213416	ARSHIYA NAZNEEN	8	14	16	35

STUDENT PROGRESSION AND MARKS STATEMENT

FSBZ-I SEM

HT.NO	NAME OF THE STUDENT	UNIT TEST-1	INTERNAL EXAM-1	INTERNAL EXAM-2	Pre-Final
086213809	GADAM VIJETHA	8	16	19	37
086213810	GUDEPU JYOTHI	7	12	15	30
086213811	GUGULOTH GANESH	6	18	18	33
086213812	ORUGANTI RATHAN	7	18	15	29
086213813	PALAKURTHI ASHISH	6	11	19	37
086213814	PAVUSHETTI AKHILA	9	19	13	30
086213815	ROYAYALA SAI DHANUSH	9	18	18	35
086213816	SANDELA AJAY	10	14	15	31
086213817	THIGALA HARSHITHA	9	14	18	36

STUDENT PROGRESSION AND MARKS STATEMENT

FSMIZ-I SEM

HT.NO	NAME OF THE STUDENT	UNIT TEST-1	INTERNAL EXAM-1	INTERNAL EXAM-2	Pre-final
086213481	CHELIKE NIKITHA	8	16	20	39
086213482	GORRE SRIKANTH	7	19	20	38
086213483	ITHA AMULYA	6	13	19	36
086213484	NAMINDLA AKHIL	7	17	20	37

STUDENT PROGRESSION AND MARKS STATEMENT

NDZC-I SEM

HT.NO	NAME OF THE STUDENT	UNIT TEST-1	INTERNAL EXAM-1	INTERNAL EXAM-2	Pre-final
086213901	ANEESHA	8	15	20	37
086213902	ANURU KISHORE LAXMI TULASI	7	17	20	38
086213903	ATIKETI SAI PRASANNA	6	19	20	38
086213904	BANDARI SOWMYA	7	18	20	39
086213905	BOINE PRATHYUSHA	6	15	19	37
086213906	GUGULOTHU ANITHA	9	18	20	38
086213907	GUJULA SHIVANI	9	18	19	36
086213908	KARISHMA	10	18	19	36
086213909	MANDADAPU DIVYA	9	16	19	36
086213910	MANKANI SHARANYA	8	17	20	39
086213911	MATURI SRAVANI	10	19	19	38
086213912	MUDDAM RUCHITHA	7	18	20	38
086213913	MUNIGANTI ABHINAYA	9	08	20	39
086213914	POGULA MAHESH	7	20	19	36
086213915	RAMANUJAM SWETHA	9	17	19	39
086213916	RAVANA VENI ROHITH	6	19	15	33
086213917	SHIFA SADAF	7	15	20	37
086213918	SOMA SWAPNIKA	8	19	19	35
086213919	SUMAIYA NOUSHEEN	9	19	20	38
086213920	SYEDA SADIYA SAMAN	8	14	15	30

STUDENT PROGRESSION AND MARKS STATEMENT

MIZC-I SEM

HT.NO	NAME OF THE STUDENT	UNIT TEST-1	INTERNAL EXAM-1	INTERNAL EXAM-2	Pre-final
086213601	DASARI AKHILA	8	15	19	37

086213602	GADDAM SAITEJA	7	12	15	33
086213603	KALUVALA NEETHA	6	11	19	38
086213604	KATLA NAVYA	7	15	18	36
086213605	MUTHINENI APARNA	6	19	19	36
086213606	RAMANCHA SUMANTH	9	15	15	33

STUDENT PROGRESSION AND MARKS STATEMENT

MIZCS-I SEM

HT.NO	NAME OF THE STUDENT	UNIT TEST-1	INTERNAL EXAM-1	INTERNAL EXAM-2	Pre-final
086213751	KANDULA MRUDWEEKA BALU	8	16	15	36
086213781	DEVU MANASWITHA	7	16	19	38
086213782	EGA PRASHANTH	6	16	17	35
086213783	ENUGALA SHIVANI	7	16	20	38
086213784	GIRIMALLA PAVAN	6	15	20	39
086213785	ESAMPELLY KARTHIK	9	13	19	39

Teaching Notes

Unit No	Topics	Synopsis	Hours allotted	Hours taught	Extra hours taken	Reason
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UNIT-I	Digestion and excretion	Enzymes definition, classification, inhibition, regulation and digestion of carbohydrates, proteins and lipids, absorption Classification of animals based on excretory products, structure and function of nephron, urine formation. Concept and mechanism of homeostasis, osmoregulation	10	10		
UNIT-II	Respiration and circulation	Definition, mechanism of respiration, respiratory pigments, transport of oxygen and carbon dioxide, regulation of respiration. Types of circulation, structure of mammalian heart, types of hearts, heart functions, conduction of heart beat, regulation of heart rate &ECG, tachycardia, bradycardia and blood clotting mechanism	12	12		

UNIT-III	Muscle contraction, nerve impulse and Endocrine glands	Types of muscles, ultra structure of skeletal muscle fibre, mechanism and chemical changes during muscle contraction(sliding filament theory), twitch, tetanus, fatigue structure of neuron, nerve impulse, transmission of nerve impulse, synapse and synaptic transmission. Endocrine glands structure, secretions and function, hormone action, male and female hormones, hormonal control of menstrual cycle in human.	13	13		
Unit-IV	Animal behaviour	Types of behaviour, innate, acquired, taxes, reflexes, tropisms. Types of learning trial and error learning, imprinting, habituation. Classical, instrumental conditioning, pavlov's experiment. Social behaviour and communication of insects (Dance language of honey bees) colonial existence of bees, termites and pheromones. Biological clocks, circadian rhythms, solar and lunar rhythms, circannual rhythms	12	12		

VAAGDEVI DEGREE &PG COLLEGE
DEPARTMENT OF ZOOLOGY
COURSE FILE-IV SEM-DEVELOPMENTAL BIOLOGY -2022-2023

Name of the faculty	Dr.C. PADMAVATI
Designation	LECTURER
Email	Padma_csrk@yahoo.in
Course code	402
Course Title	DEVELOPMENTAL BIOLOGY
ACADEMIC YEAR / SEMESTER	2021/22 IV-Sem
NUMBER OF INSTRUCTIONAL HOURS	60

1. INTRODUCTION OF THE COURSE:

Developmental biology is the study of the process by which organisms grow and develop. Modern developmental biology studies the genetic control of cell growth, differentiation and "morphogenesis," which is the process that gives rise to tissues, organs and anatomy. Embryology is a subfield, the study of organisms between the one-cell stage (generally, the zygote) and the end of the embryonic stage, which is *not* necessarily the beginning of free living. Embryology was originally a more descriptive science until the 20th century. Embryology and developmental biology today deal with

the various steps necessary for the correct and complete formation of the body of a living organism. The related field of evolutionary developmental biology was formed largely in the 1990s and is a synthesis of findings from molecular developmental biology and evolutionary biology which considers the diversity of organismal form in an evolutionary context.

The findings of developmental biology can help to understand developmental malfunctions such as chromosomal aberrations, for example, Down syndrome. An understanding of the specialization of cells during embryogenesis may yield information on how to specialize stem cells to specific tissues and organs, which could lead to the specific cloning of organs for medical purposes. Another biologically important process that occurs during development is apoptosis- programmed cell death or "suicide". For this reason, many developmental models are used to elucidate the physiology and molecular basis of this cellular process. Similarly, a deeper understanding of developmental biology can foster greater progress in the treatment of congenital disorders and diseases, e.g. studying human sex determination can lead to treatment for disorders such as congenital adrenal hyperplasia.

- **VISION**

- To ensure that students develop an interest, curiosity in academics and are exposed to practical training which will enhance their theoretical understanding and increase an aptitude for exploration.

- **MISSION**

- They will be encouraged to develop scientific temperament, analytical skills and to take up internships, which would become the stepping stone to success in research/ job opportunity

PROGRAM OUTCOMES

- PO1.Critical Thinking: Take informed actions after identifying the assumptions that frame our thinking and actions, checking out the degree to which these assumptions are accurate and valid, and looking at our ideas and decisions (intellectual, organizational, and personal) from different perspectives.
- PO2.Effective Communication: Speak, read, write and listen clearly in person and through electronic media in English and in one Indian language, and make meaning of the world by connecting people, ideas, books, media and technology.
- PO3. Social Interaction: Elicit views of others, mediate disagreements and help reach conclusions in group settings.
- PO4. Effective Citizenship: Demonstrate empathetic social concern and equity centred national development, and the ability to act with an informed awareness of issues and participate in civic life through volunteering
- PO5. Ethics: Recognize different value systems including your own, understand the moral dimensions of your decisions, and accept responsibility for them.
- PO6. Environment and Sustainability: Understand the issues of environmental contexts and sustainable development.
- PO7. Self-directed and Life-long Learning: Acquire the ability to engage in independent and life-long learning in the broadest context socio-technological changes

PROGRAM SPECIFIC OUTCOMES

Program Specific Outcomes – M.Sc (zoology)	<ul style="list-style-type: none">• Understand the diversity and complexity of various animal forms through their systematic classification and comparative studies.• Acquire knowledge on insects, their adaptations, their diversity and evolutionary success and control measures of harmful insects.• Understand the concepts and principles of biochemistry, immunology, physiology, ethology, endocrinology, developmental biology, cell biology, genetics, molecular biology and microbiology which will help in understanding the life processes.• Develop technical skills in biotechnology, bioinformatics and biostatistics.• Follow standard protocols in the areas of animal diversity, systematics, cell biology, genetics, biochemistry, molecular biology, microbiology, physiology, immunology, developmental biology, environmental biology, ethology, evolution and Entomology to develop laboratory skills and gain expertise in the subject.
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Program objectives and Course out comes mapping

ASSESSMENT LEVELS: 0 – NOT MAPPED; 1 –MAPPED AT WEAK LEVEL; 2 – MAPPED AT MODERATE LEVEL; 3 – MAPPED AT SATISFACTORY LEVEL **Program objectives and Course out comes mapping**

ASSESSMENT LEVELS: 0 – NOT MAPPED; 1 –MAPPED AT WEAK LEVEL; 2 – MAPPED AT MODERATE LEVEL; 3 – MAPPED AT SATISFACTORY LEVEL

COURSE TITLE			COURSE CODE			COURSE OUTCOMES				
DEVELOPMENTAL BIOLOGY			ZOO- M.Sc 402			<p>CO1:Learn the concepts in basic and applied developmental biology</p> <p>CO2:Appreciate the mechanism of creation of life and development of organism</p> <p>CO3 Appreciate the mechanisms of gene interactions resulting in axis specification, organogenesis and post embryonic</p> <p>CO4: Acquire knowledge on ramifications of Developmental biology involving HOX Genes teratogenesis.</p>				
	PO -1	PO -2	PO -3	PO -4	PO -5	PO -6	PO -7			
CO -1	4	3	3	2	1	4	2			
CO -2	3	3	3	2	2	3	2			
CO -3	3	3	3	2	2	4	2			
CO -4	4	4	3	4	3	4	3			
TOTAL ATTAINMENT	3.5	3.25	3.0	2.0	2	3.75	2.25			

$$W_{Pi} = \sum_j (CO_j) / 4 \text{ (i=1 to 10 and j=1 to 4) (} W_{Pi} \text{ is the Weight factor for Programme Outcome PO1)}$$

CLASS TIME-TABLE

Department : ZOOLOGY

Class: M.SC II YEAR (IV SEMESTER)

Academic Year: 2021-22

DAY / HOURS	1 (9.00AM-9.50 AM)	2 (9..50AM-11.40 AM)	3 (11.40 AM-12.30 AM)	4 (1.30 PM-2.20 PM)	5 (2.20 PM-3.10 PM)	6 (3.10 PM-4.00 PM)
MON	M.Sc-IV					ZOO-T
TUE	M.Sc-IV					
WED		M.Sc-IV				
THURS		M.Sc-IV				
FRI	M.Sc, Paper-IV Lab					
SAT						

Subject Code	Subject	Name of the Faculty	Signature
402	DEVELOPMENTAL BIOLOGY	Dr.C.Padmavati	

Kakatiya University - Faculty of Science
M.Sc, Zoology, SEMESTER – IV
Paper Code: 402
DEVELOPMENTAL BIOLOGY

UNIT-I: Basic Concepts of Development

- 1.1 Potency, commitment, specification, induction competence, determination and differentiation.
- 1.2 Morphogenic gradients, cell fate and cell lineages.
- 1.3 Stem cells, cytoplasmic determinants, genomic equivalence and genomic imprinting.
- 1.4 Mutants and transgenics in analysis of development.

UNIT-II: Gametogenesis, fertilization and early development

- 2.1 Production of Gametes, Cell surface molecules in sperm-egg recognition in animals. Activation of sperm and sperm-oocyte Interaction. .

- 2.2 Fertilization and Early Embryogenesis..
- 2.3. Zygote formation, cleavage, blastula formation, embryonic fields.
- 2.4 Gastrulation and formation of germ layers in animals embryogenesis.

UNIT-III: Morphogenesis

- 3.1 Axes and pattern formation in *Drosophila*, Amphibia and Chick.
- 3.2 Organogenesis-Vulva formation in *Coenorhabditis elegans*, eye lens induction, limb development and regeneration in vertebrates.
- 3.3 Differentiation of neurons, post embryonic development larval formation.
- 3.4 Metamorphosis, Environmental regulation of normal development sex determination.

UNIT-IV: Ramifications of Developmental Biology

- 4.1 Environmental regulation of animal development.
- 4.2 Hox Genes: Descent with Modification.
- 4.3 Homologous Pathways of Development.
- 4.4 Teratogenesis: Introduction, Principles and Teratogenic agents.

PRACTICALS:

- 1. Observation of living Chick embryo.
- 2. Dissection and Morphology observation of the 4-14 somite chick embryo (24-34 hours).
- 3. Dissection and Morphology observation of the 24-38 somite chick embryo (48-85 hours).
- 4. Culture of Early chick embryo *in vitro*.
- 5. Mounting of 72 and 96 hours chick embryo.
- 6. Chorio-Allantoic Membrane Grafting.
- 7. Various patterns of Cleavage and development in freshwater Snail.
- 8. Larval Developmental stages of *Drosophila*.
- 9. Chromosome squash preparation from *Drosophila* larval salivary glands.
- 10. Patterns of regeneration in the Planarian/Regeneration in the Tail of Frog Tadpoles.

REFERENCE BOOKS:

- 1. Gilbert, S.F. Developmental Biology. 10th Edition, Sinauer Associated Inc., Massachusetts
- 2. Balinsky, B.I. Introduction to Embryology. Saunders, Philadelphia
- 3. Berril, N.J. and Karp, G. Development Biology. McGraw Hill, New York
- 4. Hamburger V and Hamilton HL. Handbook of chick developmental stages. Saunders Publications. 1965.
- 5. Berril, N.J. and Karp, G. Development Biology. McGraw Hill, New York
- 6. Embryology-An Introduction to Developmental Biology—Stanley Shostak
- 7. Muthukaruppan and Pitchappan. Animal development – a laboratory guide.CoSIP-ULP Publications, India. First Edition, 1979.

TEACHING PLAN:

Sl No	Unit / Topic	Teaching Planned on Date	No of Periods Planned	Course Outcomes	Teaching aids used	Books Referred
1	Principles of Development in Biology 1.1 Introduction to Developmental Biology: The Stages of Animal Development, Embryonic Homologies, Malformations and Teratology 1.2 Developmental Patterns in Unicellular Protists and Metazoa. 1.3 The Developmental Mechanics of Cell Specification. 1.4 Determining the Function of Genes during Development.	18/1/23 TO 07/2/23	17	CO1 , CO3,	BLACK BOARD, CHALK AND DUSTER,CHAR T, OHP, PROJECTOR	Developmental Biology Gilbert, S.F.. 10 th Edition, Sinauer Associated Inc., Massachusetts
2	Early Embryonic Development 2.1 Introduction to Embryonic Development: Structure of Gametes, Recognition of Egg and Sperm, Acrosomal Reaction. 2.2 The Early Development of Snails. 2.3 The genetics of axis specification in Drosophila. 2.4 Early Mammalian Development: Mammalian Anterior-Posterior Axis Formation, Dorsal-Ventral and left-Right Axes in Mammals.	08/2/23 TO 01/03/23	18	CO1, CO2, CO3	BLACK BOARD, CHALK AND DUSTER OHP, PROJECTOR	Developmental Biology Gilbert, S.F.. 10 th Edition, Sinauer Associated Inc., Massachusetts

3	Later Embryonic Development 3.1 Tetrapod limb Development. 3.2 Sex Determination approaches in Developmental Biology. 3.3 Metamorphosis, Regeneration and Aging. 3.4 The Development of Blood Cells: The Stem Cell concept, the pluripotent hematopoietic stem cells, Blood and lymphocyte lineages, hematopoiesis.	02/03/23 TO 20/03/23	16	CO1, CO2, CO4	BLACK BOARD, CHALK AND DUSTER OHP, PROJECTOR	Developmental Biology Gilbert, S.F.. 10 th Edition, Sinauer Associated Inc., Massachusetts
4	Ramifications of Developmental Biology 4.1 Environmental regulation of animal development. 4.2 Hox Genes: Descent with Modification. 4.3 Homologous Pathways of Development. 4.4 Teratogenesis: Introduction, Principles and Teratogenic agents.	21/03/23 TO 12/04/23	12	CO1, CO2, CO5	BLACK BOARD, CHALK AND DUSTER OHP, PROJECTOR	Developmental Biology Gilbert, S.F.. 10 th Edition, Sinauer Associated Inc., Massachusetts

List of Recommended Text Books

SN O	Name of the Book	Author
1	Developmental Biology	Gilbert, S.F.. 10 th Edition, Sinauer Associated Inc., Massachusetts
2	Introduction to Embryology	Balinsky, B.I, Saunders, Philadelphia
3	Development Biology	Berril, N.J. and Karp, McGraw Hill, New York

List of Reference Text Books

SN O	Name of the Book	Auth or
1	Handbook of chick developmental stages	Hamburger V and Hamilton HL. Saunders Publications. 1965
2	Embryology-An Introduction to Developmental Biology	Stanley Shostak
3	Muthukaruppan and Pitchappan. Animal development	a laboratory guide.CoSIP-ULP Publicatiions, India. First Edition, 1979.

List of URL's to be Referred

S.NO.	Name of the URL
01	https://www.nature.com/ncb/
02	https://rupress.org/jcb

METHODOLOGY FOR CONTINUOUS INTERNAL EVALUATION & EXTERNAL ASSESSMENT:

S. No.	NAME OF THE EXAM	MAX MARKS
01	Unit test	20
02	Internal examinations I	20
03	Internal examinations II	20
04	Pre-Final Examination	80

RECORD OF TUTORIAL CLASSES CONDUCTED

SNO	DATE	NAME OF FACULTY	TUTORIAL TOPIC
1	22/11/2021	Dr.c.padmavati	Stages of Animal Development
2	29/11/2021	Dr.c.padmavati	Autonomous specification
3	04/12/2021	Dr.c.padmavati	Function of Genes during Development
4	21/12/2021	Dr.c.padmavati	Acrosomal Reaction
5	27/12/2021	Dr.c.padmavati	Early Development of Snails
6	03/01/2022	Dr.c.padmavati	Dorsal and ventral patterning in drosophila
7	10/01/2022	Dr.c.padmavati	Tetrapod limb Development
8	19/01/2022	Dr.c.padmavati	Metamorphosis
9	27/01/2022	Dr.c.padmavati	Stem Cell concept
10	07/02/2022	Dr.c.padmavati	Environmental regulation of animal development
11	11/02/2022	Dr.c.padmavati	Hox Genes
12	16/02/2022	Dr.c.padmavati	Teratogenesis

VAAGDEVI DEGREE&PG COLLEGE, HANAMKONDA

II M.Sc -IV SEM ZOOLOGY –DEVELOPMENTAL BIOLOGY

UNIT TEST-I

Answer the following questions

2x10= 20 marks

- Write about morphogenetic gradients and cell fate
- Describe the mechanism involved in Production of gametes in detail.

VAAGDEVI DEGREE& PG COLLEGE, HANAMKONDA

II M.Sc -IV SEM ZOOLOGY – DEVELOPMENTAL BIOLOGY

INTERNAL Examination-I

Max Marks: 20 Marks

Time: 90 mins

Write all Answers

1. Specification
2. Induction.
3. Cell fate
4. Autonomous specification
5. Function of Genes during Development
6. Mutants and Transgenics in analysis of development..
7. Structure of Gametes
8. Acrosomal Reaction
9. Zygote formation
10. Gastrulation

VAAGDEVI DEGREE&PG COLLEGE, HANAMKONDA
II M.Sc -IV SEM ZOOLOGY – DEVELOPMENTAL BIOLOGY
II- INTERNAL

Max Marks: 20 Marks

Time: 90 mins

Answer All the Questions

1. Axis specification in drosophila
2. Sex Determination approaches in Developmental Biology
3. Metamorphosis In Insects
4. Regeneration types
5. Vulva formation in Coenorhabditis elegans.
6. Differentiation of Neurons.
7. Environmental regulation of animal development
8. Hox Genes.
9. Homologous Pathways of Development
10. Teratogenesis

VAAGDEVI DEGREE&PG COLLEGE, HANAMKONDA
II M.Sc -IV SEM ZOOLOGY – DEVELOPMENTAL BIOLOGY
Pre Final Examinations-(DEVELOPMENTAL BIOLOGY) PAPER-II

Time: 3Hours

Total marks: 5x16=80

1. Answer any four questions

1. Explain about Sex Determination approaches in Developmental Biology?
2. Explain about Environmental regulation of animal development?
3. Describe metamorphosis in insects, amphibians ?
4. Describe Axis specification in Drosophila?
5. Describe about hox genes?

Student Progression -Developmental Biology 2022-2023

M.SC
(ZOOLOGY)
IST YEAR
2022

MSc Zoology 2022-23

SNO.	H T NO.	S.NAME	Unit I	Internal I	Internal II	Prefinal
1	22117-S-0201	UZMA NOUSHEEN	10	12	14	65
2	22117-S-0202	BOLLE LAXMI	10	12	13	68
3	22117-S-0203	ZARMINA NAZISH	13	14	17	71
4	22117-S-0204	NAMINDLA VENNELA	13	15	16	70
5	22117-S-0205	TALLADI GNANESHWAR RAO	10	10	12	65
6	22117-S-0206	SANDAGALLA PRASANNA	AB	AB	AB	
7	22117-S-0207	KELOTH SURENDER	12	15	18	72
8	22117-S-0208	PIPPALLA GOWTHAMI	15	18	20	75
9	22117-S-0209	GUMMADAVALLI SRAVANI	10	11	13	63
10	22117-S-0210	VOJJA MOUNIKA	10	10	10	50
11	22117-S-0211	NAKEERTHA MAHESH	10	10	12	50
12	22117-S-0212	KHAMMAMPATI DIVYA	15	17	19	73
13	22117-S-0213	YASALA NANDHINI	11	13	14	70
17	22117-S-0216	DUDE SAI KUMAR	10	10	13	69
18	22117-S-0217	RAPAKA JYOTHI	10	10	12	73
19	22117-S-0218	BUDIDA AKHILA	13	15	17	74
20	22117-S-0219	PAITHARI RANI	11	11	13	66
21	22117-S-0220	MAMINDLA ALEKYA	15	15	16	64
22	22117-S-0221	ASHRITHA GONDI	11	11	13	68
23	22117-S-0222	MULA HARSHINI	10	10	12	69
25	22117-S-0224	BASHIKA ANUSHA	12	13	15	74
26	22117-S-0225	VYDYULA.MOUNIKA	AB	AB	AB	AB
27	22117-S-0226	RUDROJU .BINDHUPRIYA	12	13	14	70
28	22117-S-0227	MUKUNDA .PRANAVI	13	13	14	65
29	22117-S-0228	BOLLA TEJASREE	15	15	17	75
30	22117-S-0229	VUYYALA PRATHYUSHA	15	17	18	74
31	22117-S-0230	BOBBALA RACHANA	16	16	16	76
32	22117-S-0231	GABBETA USHASRI	10	10	12	65
33	22117-S-0232	MARAPAKA SARITHA	11	11	12	68

Teaching Notes

Unit no	Topics	Synopsis	Hours allotted	Hours taught	Extra hours taken	Reason
UNIT -I	Principles of Development in Biology	Potency,commitment,specification, inductioncompetence,determination and differentiation.Morphogenic gradients, cell fate and cell lineages.Stem cells,cytoplasmic determinants,genomic equivalence and genomic imprinting. Mutants and transgenics in analysis of development.	17	17		
UNIT -II	Early Embryonic Development	Introduction to Embryonic Development: Structure of Gametes, Recognition of Egg and Sperm, Acrosomal Reaction., Cleavages, blastula, gastrulation and embryogenesis	18	18		
UNIT -III	Later Embryonic Development	Axes and pattern formation of drosophila, amphibian, chick. Sex Determination approaches in Developmental Biology. Metamorphosis, Regeneration, Vulva formation in <i>Coenorhabditis elegans</i> , eye lens induction, Limb development and regeneration. Post embryonic development.	16	16		
Unit IV	Ramifications of Developmental Biology	Environmental regulation of animal development.Hox Genes: Descent with Modification. Homologous Pathways of Development. Teratogenesis: Introduction, Principles and Taratogenic agents.	12	12		

VAAGDEVI DEGREE &PG COLLEGE
DEPARTMENT OF ZOOLOGY
COURSE FILE-IV SEM-DEVELOPMENTAL BIOLOGY -2022-2023

Name of the faculty	Dr.C. PADMAVATI
Designation	LECTURER
Email	Padma_csrk@yahoo.in
Course code	402
Course Title	DEVELOPMENTAL BIOLOGY
ACADEMIC YEAR / SEMESTER	2021/22 IV-Sem
NUMBER OF INSTRUCTIONAL HOURS	60

1. INTRODUCTION OF THE COURSE:

Developmental biology is the study of the process by which organisms grow and develop. Modern developmental biology studies the genetic control of cell growth, differentiation and "morphogenesis," which is the process that gives rise to tissues, organs and anatomy. Embryology is a subfield, the study of organisms between the one-cell stage (generally, the zygote) and the end of the embryonic stage, which is *not* necessarily the beginning of free living. Embryology was originally a more descriptive science until the 20th century. Embryology and developmental biology today deal with

the various steps necessary for the correct and complete formation of the body of a living organism. The related field of evolutionary developmental biology was formed largely in the 1990s and is a synthesis of findings from molecular developmental biology and evolutionary biology which considers the diversity of organismal form in an evolutionary context.

The findings of developmental biology can help to understand developmental malfunctions such as chromosomal aberrations, for example, Down syndrome. An understanding of the specialization of cells during embryogenesis may yield information on how to specialize stem cells to specific tissues and organs, which could lead to the specific cloning of organs for medical purposes. Another biologically important process that occurs during development is apoptosis- programmed cell death or "suicide". For this reason, many developmental models are used to elucidate the physiology and molecular basis of this cellular process. Similarly, a deeper understanding of developmental biology can foster greater progress in the treatment of congenital disorders and diseases, e.g. studying human sex determination can lead to treatment for disorders such as congenital adrenal hyperplasia.

- **VISION**

- To ensure that students develop an interest, curiosity in academics and are exposed to practical training which will enhance their theoretical understanding and increase an aptitude for exploration.

- **MISSION**

- They will be encouraged to develop scientific temperament, analytical skills and to take up internships, which would become the stepping stone to success in research/ job opportunity

PROGRAM OUTCOMES

- PO1.Critical Thinking: Take informed actions after identifying the assumptions that frame our thinking and actions, checking out the degree to which these assumptions are accurate and valid, and looking at our ideas and decisions (intellectual, organizational, and personal) from different perspectives.
- PO2.Effective Communication: Speak, read, write and listen clearly in person and through electronic media in English and in one Indian language, and make meaning of the world by connecting people, ideas, books, media and technology.
- PO3. Social Interaction: Elicit views of others, mediate disagreements and help reach conclusions in group settings.
- PO4. Effective Citizenship: Demonstrate empathetic social concern and equity centred national development, and the ability to act with an informed awareness of issues and participate in civic life through volunteering
- PO5. Ethics: Recognize different value systems including your own, understand the moral dimensions of your decisions, and accept responsibility for them.
- PO6. Environment and Sustainability: Understand the issues of environmental contexts and sustainable development.
- PO7. Self-directed and Life-long Learning: Acquire the ability to engage in independent and life-long learning in the broadest context socio-technological changes

PROGRAM SPECIFIC OUTCOMES

Program Specific Outcomes – M.Sc (zoology)	<ul style="list-style-type: none">• Understand the diversity and complexity of various animal forms through their systematic classification and comparative studies.• Acquire knowledge on insects, their adaptations, their diversity and evolutionary success and control measures of harmful insects.• Understand the concepts and principles of biochemistry, immunology, physiology, ethology, endocrinology, developmental biology, cell biology, genetics, molecular biology and microbiology which will help in understanding the life processes.• Develop technical skills in biotechnology, bioinformatics and biostatistics.• Follow standard protocols in the areas of animal diversity, systematics, cell biology, genetics, biochemistry, molecular biology, microbiology, physiology, immunology, developmental biology, environmental biology, ethology, evolution and Entomology to develop laboratory skills and gain expertise in the subject.
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Program objectives and Course out comes mapping

ASSESSMENT LEVELS: 0 – NOT MAPPED; 1 –MAPPED AT WEAK LEVEL; 2 – MAPPED AT MODERATE LEVEL; 3 – MAPPED AT SATISFACTORY LEVEL **Program objectives and Course out comes mapping**

ASSESSMENT LEVELS: 0 – NOT MAPPED; 1 –MAPPED AT WEAK LEVEL; 2 – MAPPED AT MODERATE LEVEL; 3 – MAPPED AT SATISFACTORY LEVEL

COURSE TITLE			COURSE CODE			COURSE OUTCOMES				
DEVELOPMENTAL BIOLOGY			ZOO- M.Sc 402			<p>CO1:Learn the concepts in basic and applied developmental biology</p> <p>CO2:Appreciate the mechanism of creation of life and development of organism</p> <p>CO3 Appreciate the mechanisms of gene interactions resulting in axis specification, organogenesis and post embryonic</p> <p>CO4: Acquire knowledge on ramifications of Developmental biology involving HOX Genes teratogenesis.</p>				
	PO -1	PO -2	PO -3	PO -4	PO -5	PO -6	PO -7			
CO -1	4	3	3	2	1	4	2			
CO -2	3	3	3	2	2	3	2			
CO -3	3	3	3	2	2	4	2			
CO -4	4	4	3	4	3	4	3			
TOTAL ATTAINMENT	3.5	3.25	3.0	2.0	2	3.75	2.25			

$$W_{Pi} = \sum_j (CO_j) / 4 \text{ (i=1 to 10 and j=1 to 4) (} W_{Pi} \text{ is the Weight factor for Programme Outcome PO1)}$$

CLASS TIME-TABLE

Department : ZOOLOGY

Class: M.SC II YEAR (IV SEMESTER)

Academic Year: 2021-22

DAY / HOURS	1 (9.00AM-9.50 AM)	2 (9..50AM-11.40 AM)	3 (11.40 AM-12.30 AM)	4 (1.30 PM-2.20 PM)	5 (2.20 PM-3.10 PM)	6 (3.10 PM-4.00 PM)
MON	M.Sc-IV					ZOO-T
TUE	M.Sc-IV					
WED		M.Sc-IV				
THURS		M.Sc-IV				
FRI	M.Sc, Paper-IV Lab					
SAT						

Subject Code	Subject	Name of the Faculty	Signature
402	DEVELOPMENTAL BIOLOGY	Dr.C.Padmavati	

Kakatiya University - Faculty of Science
M.Sc, Zoology, SEMESTER – IV
Paper Code: 402
DEVELOPMENTAL BIOLOGY

UNIT-I: Basic Concepts of Development

- 1.1 Potency, commitment, specification, induction competence, determination and differentiation.
- 1.2 Morphogenic gradients, cell fate and cell lineages.
- 1.3 Stem cells, cytoplasmic determinants, genomic equivalence and genomic imprinting.
- 1.4 Mutants and transgenics in analysis of development.

UNIT-II: Gametogenesis, fertilization and early development

- 2.1 Production of Gametes, Cell surface molecules in sperm-egg recognition in animals. Activation of sperm and sperm-oocyte Interaction. .

- 2.2 Fertilization and Early Embryogenesis..
- 2.3. Zygote formation, cleavage, blastula formation, embryonic fields.
- 2.4 Gastrulation and formation of germ layers in animals embryogenesis.

UNIT-III: Morphogenesis

- 3.1 Axes and pattern formation in *Drosophila*, Amphibia and Chick.
- 3.2 Organogenesis-Vulva formation in *Coenorhabditis elegans*, eye lens induction, limb development and regeneration in vertebrates.
- 3.3 Differentiation of neurons, post embryonic development larval formation.
- 3.4 Metamorphosis, Environmental regulation of normal development sex determination.

UNIT-IV: Ramifications of Developmental Biology

- 4.1 Environmental regulation of animal development.
- 4.2 Hox Genes: Descent with Modification.
- 4.3 Homologous Pathways of Development.
- 4.4 Teratogenesis: Introduction, Principles and Teratogenic agents.

PRACTICALS:

- 1. Observation of living Chick embryo.
- 2. Dissection and Morphology observation of the 4-14 somite chick embryo (24-34 hours).
- 3. Dissection and Morphology observation of the 24-38 somite chick embryo (48-85 hours).
- 4. Culture of Early chick embryo *in vitro*.
- 5. Mounting of 72 and 96 hours chick embryo.
- 6. Chorio-Allantoic Membrane Grafting.
- 7. Various patterns of Cleavage and development in freshwater Snail.
- 8. Larval Developmental stages of *Drosophila*.
- 9. Chromosome squash preparation from *Drosophila* larval salivary glands.
- 10. Patterns of regeneration in the Planarian/Regeneration in the Tail of Frog Tadpoles.

REFERENCE BOOKS:

- 1. Gilbert, S.F. Developmental Biology. 10th Edition, Sinauer Associated Inc., Massachusetts
- 2. Balinsky, B.I. Introduction to Embryology. Saunders, Philadelphia
- 3. Berril, N.J. and Karp, G. Development Biology. McGraw Hill, New York
- 4. Hamburger V and Hamilton HL. Handbook of chick developmental stages. Saunders Publications. 1965.
- 5. Berril, N.J. and Karp, G. Development Biology. McGraw Hill, New York
- 6. Embryology-An Introduction to Developmental Biology—Stanley Shostak
- 7. Muthukaruppan and Pitchappan. Animal development – a laboratory guide.CoSIP-ULP Publications, India. First Edition, 1979.

TEACHING PLAN:

Sl No	Unit / Topic	Teaching Planned on Date	No of Periods Planned	Course Outcomes	Teaching aids used	Books Referred
1	Principles of Development in Biology 1.1 Introduction to Developmental Biology: The Stages of Animal Development, Embryonic Homologies, Malformations and Teratology 1.2 Developmental Patterns in Unicellular Protists and Metazoa. 1.3 The Developmental Mechanics of Cell Specification. 1.4 Determining the Function of Genes during Development.	18/1/23 TO 07/2/23	17	CO1 , CO3,	BLACK BOARD, CHALK AND DUSTER,CHAR T, OHP, PROJECTOR	Developmental Biology Gilbert, S.F.. 10 th Edition, Sinauer Associated Inc., Massachusetts
2	Early Embryonic Development 2.1 Introduction to Embryonic Development: Structure of Gametes, Recognition of Egg and Sperm, Acrosomal Reaction. 2.2 The Early Development of Snails. 2.3 The genetics of axis specification in Drosophila. 2.4 Early Mammalian Development: Mammalian Anterior-Posterior Axis Formation, Dorsal-Ventral and left-Right Axes in Mammals.	08/2/23 TO 01/03/23	18	CO1, CO2, CO3	BLACK BOARD, CHALK AND DUSTER OHP, PROJECTOR	Developmental Biology Gilbert, S.F.. 10 th Edition, Sinauer Associated Inc., Massachusetts

3	Later Embryonic Development 3.1 Tetrapod limb Development. 3.2 Sex Determination approaches in Developmental Biology. 3.3 Metamorphosis, Regeneration and Aging. 3.4 The Development of Blood Cells: The Stem Cell concept, the pluripotent hematopoietic stem cells, Blood and lymphocyte lineages, hematopoiesis.	02/03/23 TO 20/03/23	16	CO1, CO2, CO4	BLACK BOARD, CHALK AND DUSTER OHP, PROJECTOR	Developmental Biology Gilbert, S.F.. 10 th Edition, Sinauer Associated Inc., Massachusetts
4	Ramifications of Developmental Biology 4.1 Environmental regulation of animal development. 4.2 Hox Genes: Descent with Modification. 4.3 Homologous Pathways of Development. 4.4 Teratogenesis: Introduction, Principles and Teratogenic agents.	21/03/23 TO 12/04/23	12	CO1, CO2, CO5	BLACK BOARD, CHALK AND DUSTER OHP, PROJECTOR	Developmental Biology Gilbert, S.F.. 10 th Edition, Sinauer Associated Inc., Massachusetts

List of Recommended Text Books

SN O	Name of the Book	Author
1	Developmental Biology	Gilbert, S.F.. 10 th Edition, Sinauer Associated Inc., Massachusetts
2	Introduction to Embryology	Balinsky, B.I, Saunders, Philadelphia
3	Development Biology	Berril, N.J. and Karp, McGraw Hill, New York

List of Reference Text Books

SN O	Name of the Book	Auth or
1	Handbook of chick developmental stages	Hamburger V and Hamilton HL. Saunders Publications. 1965
2	Embryology-An Introduction to Developmental Biology	Stanley Shostak
3	Muthukaruppan and Pitchappan. Animal development	a laboratory guide.CoSIP-ULP Publicatiions, India. First Edition, 1979.

List of URL's to be Referred

S.NO.	Name of the URL
01	https://www.nature.com/ncb/
02	https://rupress.org/jcb

METHODOLOGY FOR CONTINUOUS INTERNAL EVALUATION & EXTERNAL ASSESSMENT:

S. No.	NAME OF THE EXAM	MAX MARKS
01	Unit test	20
02	Internal examinations I	20
03	Internal examinations II	20
04	Pre-Final Examination	80

RECORD OF TUTORIAL CLASSES CONDUCTED

SNO	DATE	NAME OF FACULTY	TUTORIAL TOPIC
1	22/11/2021	Dr.c.padmavati	Stages of Animal Development
2	29/11/2021	Dr.c.padmavati	Autonomous specification
3	04/12/2021	Dr.c.padmavati	Function of Genes during Development
4	21/12/2021	Dr.c.padmavati	Acrosomal Reaction
5	27/12/2021	Dr.c.padmavati	Early Development of Snails
6	03/01/2022	Dr.c.padmavati	Dorsal and ventral patterning in drosophila
7	10/01/2022	Dr.c.padmavati	Tetrapod limb Development
8	19/01/2022	Dr.c.padmavati	Metamorphosis
9	27/01/2022	Dr.c.padmavati	Stem Cell concept
10	07/02/2022	Dr.c.padmavati	Environmental regulation of animal development
11	11/02/2022	Dr.c.padmavati	Hox Genes
12	16/02/2022	Dr.c.padmavati	Teratogenesis

VAAGDEVI DEGREE&PG COLLEGE, HANAMKONDA

II M.Sc -IV SEM ZOOLOGY –DEVELOPMENTAL BIOLOGY

UNIT TEST-I

Answer the following questions

2x10= 20 marks

- Write about morphogenetic gradients and cell fate
- Describe the mechanism involved in Production of gametes in detail.

VAAGDEVI DEGREE& PG COLLEGE, HANAMKONDA

II M.Sc -IV SEM ZOOLOGY – DEVELOPMENTAL BIOLOGY

INTERNAL Examination-I

Max Marks: 20 Marks

Time: 90 mins

Write all Answers

1. Specification
2. Induction.
3. Cell fate
4. Autonomous specification
5. Function of Genes during Development
6. Mutants and Transgenics in analysis of development..
7. Structure of Gametes
8. Acrosomal Reaction
9. Zygote formation
10. Gastrulation

VAAGDEVI DEGREE&PG COLLEGE, HANAMKONDA
II M.Sc -IV SEM ZOOLOGY – DEVELOPMENTAL BIOLOGY
II- INTERNAL

Max Marks: 20 Marks

Time: 90 mins

Answer All the Questions

1. Axis specification in drosophila
2. Sex Determination approaches in Developmental Biology
3. Metamorphosis In Insects
4. Regeneration types
5. Vulva formation in Coenorhabditis elegans.
6. Differentiation of Neurons.
7. Environmental regulation of animal development
8. Hox Genes.
9. Homologous Pathways of Development
10. Teratogenesis

VAAGDEVI DEGREE&PG COLLEGE, HANAMKONDA
II M.Sc -IV SEM ZOOLOGY – DEVELOPMENTAL BIOLOGY
Pre Final Examinations-(DEVELOPMENTAL BIOLOGY) PAPER-II

Time: 3Hours
Total marks: 5x16=80

1. Answer any four questions

1. Explain about Sex Determination approaches in Developmental Biology?
2. Explain about Environmental regulation of animal development?
3. Describe metamorphosis in insects, amphibians ?
4. Describe Axis specification in Drosophila?
5. Describe about hox genes?

Student Progression -Developmental Biology 2022-2023

M.SC
(ZOOLOGY)
IST YEAR
2022

MSc Zoology 2022-23

SNO.	H T NO.	S.NAME	Unit I	Internal I	Internal II	Prefinal
1	22117-S-0201	UZMA NOUSHEEN	10	12	14	65
2	22117-S-0202	BOLLE LAXMI	10	12	13	68
3	22117-S-0203	ZARMINA NAZISH	13	14	17	71
4	22117-S-0204	NAMINDLA VENNELA	13	15	16	70
5	22117-S-0205	TALLADI GNANESHWAR RAO	10	10	12	65
6	22117-S-0206	SANDAGALLA PRASANNA	AB	AB	AB	
7	22117-S-0207	KELOTH SURENDER	12	15	18	72
8	22117-S-0208	PIPPALLA GOWTHAMI	15	18	20	75
9	22117-S-0209	GUMMADAVALLI SRAVANI	10	11	13	63
10	22117-S-0210	VOJJA MOUNIKA	10	10	10	50
11	22117-S-0211	NAKEERTHA MAHESH	10	10	12	50
12	22117-S-0212	KHAMMAMPATI DIVYA	15	17	19	73
13	22117-S-0213	YASALA NANDHINI	11	13	14	70
17	22117-S-0216	DUDE SAI KUMAR	10	10	13	69
18	22117-S-0217	RAPAKA JYOTHI	10	10	12	73
19	22117-S-0218	BUDIDA AKHILA	13	15	17	74
20	22117-S-0219	PAITHARI RANI	11	11	13	66
21	22117-S-0220	MAMINDLA ALEKYA	15	15	16	64
22	22117-S-0221	ASHRITHA GONDI	11	11	13	68
23	22117-S-0222	MULA HARSHINI	10	10	12	69
25	22117-S-0224	BASHIKA ANUSHA	12	13	15	74
26	22117-S-0225	VYDYULA.MOUNIKA	AB	AB	AB	AB
27	22117-S-0226	RUDROJU .BINDHUPRIYA	12	13	14	70
28	22117-S-0227	MUKUNDA .PRANAVI	13	13	14	65
29	22117-S-0228	BOLLA TEJASREE	15	15	17	75
30	22117-S-0229	VUYYALA PRATHYUSHA	15	17	18	74
31	22117-S-0230	BOBBALA RACHANA	16	16	16	76
32	22117-S-0231	GABBETA USHASRI	10	10	12	65
33	22117-S-0232	MARAPAKA SARITHA	11	11	12	68

Teaching Notes

Unit no	Topics	Synopsis	Hours allotted	Hours taught	Extra hours taken	Reason
UNIT -I	Principles of Development in Biology	Potency,commitment,specification, inductioncompetence,determination and differentiation.Morphogenic gradients, cell fate and cell lineages.Stem cells,cytoplasmic determinants,genomic equivalence and genomic imprinting. Mutants and transgenics in analysis of development.	17	17		
UNIT -II	Early Embryonic Development	Introduction to Embryonic Development: Structure of Gametes, Recognition of Egg and Sperm, Acrosomal Reaction., Cleavages, blastula, gastrulation and embryogenesis	18	18		
UNIT -III	Later Embryonic Development	Axes and pattern formation of drosophila, amphibian, chick. Sex Determination approaches in Developmental Biology. Metamorphosis, Regeneration, Vulva formation in <i>Coenorhabditis elegans</i> , eye lens induction, Limb development and regeneration. Post embryonic development.	16	16		
Unit IV	Ramifications of Developmental Biology	Environmental regulation of animal development.Hox Genes: Descent with Modification. Homologous Pathways of Development. Teratogenesis: Introduction, Principles and Taratogenic agents.	12	12		



VAAGDEVI DEGREE & PG COLLEGE

DIST: HANUMAKONDA, TELANGANA STATE - 506001

(Affiliated to Kakatiya University, Warangal)

(e-mail: contact@vaagdevicolleges.com)

website: www.vaagdevicolleges.com)



Criterion: I

Teaching Diary



VAAGDEVI DEGREE & P.G. COLLEGE

KISHANPURA, HANAMIKONDA - 506 001, T.S.

TEACHING DIARY FOR THE U.G./P.G. COURSES - 086/117

Academic Year 2022 - 2023

Mr. Supriya

Subject: *Biotechnology*

Biotechnology

Lecturer's I.D. No. *530*

NAME OF THE TEACHER: M. Sarpnaya

TIME TABLE

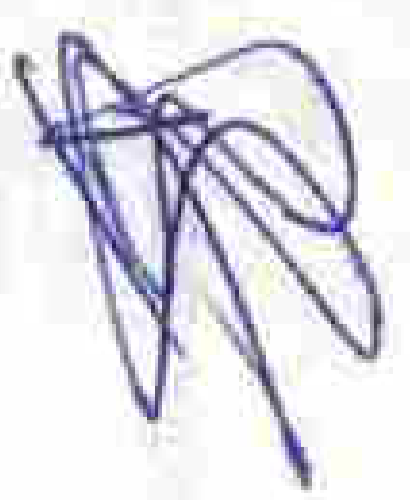
SUBJECT: Nano technology

DAYS/PERIOD	1st PERIOD (Time 9:00-9:50am)	2nd PERIOD (Time 9:50-10:40am)	3rd PERIOD (Time 10:40-11:30am)	4th PERIOD (Time 11:30-12:10pm)	5th PERIOD (Time 1:15-2:00pm)	6th PERIOD (Time 2:12-3:00pm)	7th PERIOD (Time 3:10-4:00pm)
MONDAY			VI (Bt+Ec/mrc)		II (Bt)		
TUESDAY	← (Bt+Ec/mrc) →		III (Bt+Ec/mrc)		II (Bt)		
WEDNESDAY	← (Bt+Ec/mrc) →	III (Bt+Ec/mrc)		II (Bt)			
THURSDAY		III (Bt)	VI (Bt+Ec/mrc)	III (Bt) optional test			
FRIDAY	II (Bt)		VI (Bt+Ec/mrc)				
SATURDAY	III (Bt)		VI (Bt+Ec/mrc)				

Principal
Yasodevi Degree & P.G. College
Kishanpura, Hanankonda

ALMANAC

Academic Year..... 2022-2023.....

Sl. No.	PARTICULARS	SEMESTER : <u>IV & V</u>	SEMESTER : <u>II & III</u>	SEMESTER :
1.	Commencement of Classes & last date of Re-admission	08/02/2023/ 28/2/2023.	23-02-2023. to 13-03-2023 (re-admission).	
2.	I-Internal Assessment Test	27/3/23 to 30/3/2023.	2/4/23 to 6/4/2023	
3.	II-Internal Assessment Test	10/4/23 to 12/04/23.	12/5/2023 - 15/5/2023.	
4.	Last day of Instruction	07/05/2023	25/5/2023.	
5.	Preparation holidays and practical examinations	12/5/2023	26/5/23 - 29/5/23	
6.	Commencement of examinations	01/6/2023	29/05/2023	

TEACHING PLAN

Paper : Environmental Biotechnology Semester : (VI)

Lectr No.	Date	Topic
1	06/02/2023	Introduction to Env. Biotech
2	09/02/2023	Bioreactors
3	14/02/2023	Biochemical purification
4	15/2/23	Biomas as energy source
5	16/02/23	"
6	19/02/23	Notes
7	20/02/23	Solid waste management
8	21/02/23	Solid waste management
9	01/3/23	Notes
10	02/2/23	Plant/ animal, microbial biomasses
11	03/3/23	Bioprocess
12	06/2/23	Energy resources
13	08/3/23	Kodama pathway (biodegradation of lignin)
14	09/3/23	Practical - BOD estimation
15	10/03/23	Lignin degradation
16	11/03/23	pollution
17	13/03/23	BOD determination
18	16/03/23	Biological degradation of organic matter
19	21/03/23	Microbial degradation of organic matter
20	26/03/23	Analysis, purification
21	29/03/23	Waste water treatment

[Signature]

Subject : Biotechnology

Lectur No.	Date	Topic
22	30/3/23	Pollution & types of pollution
23	01/4/23	Polymerization
24	10/4/23	Industrial sterilization - 1
25	11/4/23	Aerobic water treatment
26	13/4/23	Anaerobic water treatment
27	19/04/23	Air sampling methods
28	27/04/23	"
29	04/05/23	Anteural assessment - 2
30	03/06/23	Practical exam, notes
31	5/06/23	Practical Examination
32	6/06/23	Practical examination
33		
34		
35		
36		
37		
38		
39		
40		
41		
42		

[Signature]

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Vishanpura, Hanamkonda

DAILY DIARY

MONTH OF :

December.

Timing of the Period Day and Date	Time :	Time :	Time :	Time :	Time :	Time :
MONDAY E: : 11/12/2022	Class : Topic : 9-9:30am	Class : Topic : 9:30-10:40 am am	Class : Topic : 10:40-11:30 am am	Class : Topic : 11:30-2:00pm	Class : Topic : 2:00-3:10 pm pm	Class : Topic : 3:10-4:40 pm pm
TUESDAY E: : 12/12/2022	Class : Topic : 9-9:30am	Class : Topic : 9:30-10:40 am am	Class : Topic : 10:40-11:30 am am	Class : Topic : 11:30-2:00pm	Class : Topic : 2:00-3:10 pm pm	Class : Topic : 3:10-4:40 pm pm
WEDNESDAY E: : 13/12/2022	Class : Topic : 9-9:30am	Class : Topic : 9:30-10:40 am am	Class : Topic : 10:40-11:30 am am	Class : Topic : 11:30-2:00pm	Class : Topic : 2:00-3:10 pm pm	Class : Topic : 3:10-4:40 pm pm
THURSDAY E: : 14/12/2022	Class : Topic : 9-9:30am	Class : Topic : 9:30-10:40 am am	Class : Topic : 10:40-11:30 am am	Class : Topic : 11:30-2:00pm	Class : Topic : 2:00-3:10 pm pm	Class : Topic : 3:10-4:40 pm pm
FRIDAY E: : 15/12/2022	Class : Topic : 9-9:30am	Class : Topic : 9:30-10:40 am am	Class : Topic : 10:40-11:30 am am	Class : Topic : 11:30-2:00pm	Class : Topic : 2:00-3:10 pm pm	Class : Topic : 3:10-4:40 pm pm
SATURDAY E: : 16/12/2022	Class : Topic : 9-9:30am	Class : Topic : 9:30-10:40 am am	Class : Topic : 10:40-11:30 am am	Class : Topic : 11:30-2:00pm	Class : Topic : 2:00-3:10 pm pm	Class : Topic : 3:10-4:40 pm pm

is week work load

02

b) Casual leaves availed

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HBH

Ac. Co.

Principal

Vaigdevi Degree & P.G. College
Vishanpura, Hanamkonda

WEEKLY DIARY

MONTH OF: December

Timing of the Period Day and Date	Time : <u>9:00-9:50 am</u>	Time : <u>9:50-10:40 am</u>	Time : <u>10:40-11:30 am</u>	Time : <u>11:30-12:20 pm</u>	Time : <u>1:30-2:20 pm</u>	Time : <u>2:20-3:10 pm</u>
MONDAY E: <u>2-12-2022</u>	Class : Topic : <u>←</u>	Class : Topic : <u>← N/A</u>	Class : Topic : <u>← week 1</u>	Class : Topic : <u>←</u>	Class : Topic : <u>←</u>	Class : Topic : <u>←</u>
TUESDAY E: <u>12/12/2022</u>	Class : Topic : <u>←</u>	Class : Topic : <u>Practical Exams (III & IV)</u>	Class : Topic : <u>→</u>	Class : Topic : <u>←</u>	Class : Topic : <u>←</u>	Class : Topic : <u>←</u>
WEDNESDAY E: <u>1/12/2022</u>	Class : Topic : <u>←</u>	Class : Topic : <u>Practical Exams</u>	Class : Topic : <u>→</u>	Class : Topic : <u>←</u>	Class : Topic : <u>←</u>	Class : Topic : <u>←</u>
THURSDAY E: <u>2/12/2022</u>	Class : Topic : <u>sun - I</u> <u>Ⓡ</u> <u>Bt's</u> <u>cell & biology</u>	Class : Topic : <u>←</u>	Class : Topic : <u>Practical Exams</u>	Class : Topic : <u>→</u>	Class : Topic : <u>←</u>	Class : Topic : <u>←</u>
FRIDAY E: <u>3/12/2022</u>	Class : Topic : <u>←</u>	Class : Topic : <u>←</u>	Class : Topic : <u>←</u>	Class : Topic : <u>←</u>	Class : Topic : <u>←</u>	Class : Topic : <u>←</u>
SATURDAY E: <u>4/12/2022</u>	Class : <u>sun - I</u> <u>Ⓡ</u> Topic : <u>Bt's</u> <u>cell & biology</u>	Class : <u>sun - I</u> <u>Ⓡ</u> Topic : <u>Bt's</u> <u>sermon</u>	Class : Topic : <u>←</u>	Class : Topic : <u>←</u>	Class : Topic : <u>←</u>	Class : Topic : <u>←</u>

This week work load 03

b) Casual leaves availed —

H. A. D.

Ac. Co.

Principal ←

WEEKLY DIARY

MONTH OF : December

Timing of the Period Day and Date	Time : 9:00 to 9:50 ^{am}	Time : 9:50 am to 10:40 ^{am}	Time : 10:40 ^{am} to 11:30 ^{am}	Time : 11:30 ^{am} to 12:20 ^{pm}	Time : 12:30 ^{pm} to 2:00 ^{pm}	Time : 2:00 ^{pm} to 3:15 ^{pm}
MONDAY DATE : 19/12/2022	Class : <u>Gen-I</u> Topic : <u>Let's All (T)</u> <u>Chromosomal alterations.</u>	Class : Topic : <u>← N/A</u>	Class : Topic : <u>← N/A</u>	Class : Topic : <u>← N/A</u>	Class : Topic : <u>← N/A</u>	Class : Topic : <u>← N/A</u>
TUESDAY DATE : 20-12-2022	Class : Topic : <u>← N/A</u>	Class : Topic : <u>← N/A</u>	Class : Topic : <u>← N/A</u>	Class : Topic : <u>← N/A</u>	Class : Topic : <u>← N/A</u>	Class : Topic : <u>← N/A</u>
WEDNESDAY DATE : 21/12/2022	Class : Topic : <u>← N/A</u>	Class : Topic : <u>← N/A</u>	Class : Topic : <u>← N/A</u>	Class : Topic : <u>← N/A</u>	Class : Topic : <u>← N/A</u>	Class : Topic : <u>← N/A</u>
THURSDAY DATE : 22/12/2022	Class : <u>Gen-I</u> Topic : <u>All Bt's (T)</u> <u>cell cycle</u>	Class : Topic : <u>← N/A</u>	Class : Topic : <u>← N/A</u>	Class : Topic : <u>← N/A</u>	Class : Topic : <u>← N/A</u>	Class : Topic : <u>← N/A</u>
FRIDAY DATE : 23/12/2022	Class : Topic : <u>← N/A</u>	Class : Topic : <u>← N/A</u>	Class : Topic : <u>← N/A</u>	Class : Topic : <u>← N/A</u>	Class : Topic : <u>← N/A</u>	Class : Topic : <u>← N/A</u>
SATURDAY DATE : 24/12/2022	Class : <u>Gen-I</u> Topic : <u>All Bt's (T)</u> <u>mitosis</u>	Class : Topic : <u>← N/A</u>	Class : Topic : <u>← N/A</u>	Class : Topic : <u>← N/A</u>	Class : Topic : <u>← N/A</u>	Class : Topic : <u>← N/A</u>

a) This week work load 03b) Casual leaves availed —

H.O.D.

Ac. Co.

Principal

KV DIARY

MONTH OF:

December

Day and Date	Time : 9:00 - 9:50 am	Time : 9:50 - 10:40 am	Time : 10:40 - 11:30 am	Time : 11:30 - 12:20 pm	Time : 12:20 - 2:20 pm	Time : 2:20 - 3:10 pm
MONDAY 12/12/2022	Class : Topic :	Class : Topic : ← Nonce work	Class : Topic :	Class : Topic : →	Class : Topic :	Class : Topic :
TUESDAY 12/12/2022	Class : Topic : Sen-T AA BH (T) meiosis	Class : Topic : ←	Class : Topic : →	Class : Topic : →	Class : Topic :	Class : Topic :
WEDNESDAY 12/12/2022	Class : Topic :	Class : Topic : ←	Class : Topic : →	Class : Topic : →	Class : Topic :	Class : Topic :
THURSDAY 11/12/2022	Class : Topic :	Class : Topic : ←	Class : Topic : →	Class : Topic : →	Class : Topic :	Class : Topic :
FRIDAY 11/12/2022	Class : Topic :	Class : Topic : ←	Class : Topic : →	Class : Topic : →	Class : Topic : (T)	Class : Topic :
SATURDAY 11/12/2022	Class : Topic :	Class : Topic : ←	Class : Topic : →	Class : Topic : →	Class : Topic :	Class : Topic : →

Week work load 01

b) Casual leaves availed

H.O.D.

Ac. Co.

Principal

7/11/23

WEEKLY DIARY									
Timing of the Period		Time		Time		Time		Time	
Day and Date									
MONDAY		Class : Topic :		Class : Topic :		Class : Topic :		Class : Topic :	
DATE : 02/01/2023		Class : Sem-I Topic : Maths (T)		Class : Topic :		Class : Topic :		Class : Topic :	
TUESDAY		Class : Topic :		Class : Topic :		Class : Topic :		Class : Topic :	
DATE : 03/01/2023		Class : Topic : ←		Class : Topic : NAC WORKS →		Class : Topic :		Class : Topic :	
WEDNESDAY		Class : Topic :		Class : Topic :		Class : Topic :		Class : Topic :	
DATE : 04-01-2023		Class : Topic : ←		Class : Topic : Hospitality		Class : Topic : →		Class : Topic :	
THURSDAY		Class : Topic :		Class : Topic :		Class : Topic :		Class : Topic :	
DATE : 05-01-2023		Class : Topic : ←		Class : Topic : NAC Pedestrian		Class : Topic : →		Class : Topic :	
FRIDAY		Class : Topic :		Class : Topic :		Class : Topic :		Class : Topic :	
DATE : 06-01-2023		Class : Sem-I Topic : Maths (T)		Class : Topic :		Class : Topic :		Class : Topic :	
SATURDAY		Class : Topic :		Class : Topic :		Class : Topic :		Class : Topic :	
DATE : 07-06-2023		Class : Sem-I Topic : Maths (T)		Class : Topic :		Class : Topic :		Class : Topic :	

a) This week work load 3

b) Casual leaves availed 1

H.O.D.

Ac. Co.

Principal

MONTH OF : January

WEEKLY DIARY

MONTH OF : January

Day and Date	Time : 9:00 - 9:50 am	Time : 9:50 - 10:40 am	Time : 10:40 - 11:30 am	Time : 11:30 - 12:20 pm	Time : 1:30 - 2:20 pm	Time : 2:20 - 3:10 pm
MONDAY 11/1/2023.	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic : ← Amvigation duty →	Class : Topic : →	Class : Topic :
TUESDAY 10/1/2023	Class : Topic :	Class : Topic : ← (UG) Amvigation Duty →	Class : Topic :	Class : Topic : →	Class : Topic :	Class : Topic :
WEDNESDAY 10/1/2023	Class : Topic :	Class : Topic : ← Amvigation Duty →	Class : Topic :	Class : Topic : →	Class : Topic :	Class : Topic :
THURSDAY 10/1/23	Class : Topic :	Class : Topic : ← Amvigation duty →	Class : Topic :	Class : Topic : →	Class : Topic :	Class : Topic :
FRIDAY 10/1/23	Class : Topic :	Class : Topic : ←	Class : Topic :	Class : Topic :	Class : Topic : →	Class : Topic :
SATURDAY 10/1/23	Class : Topic :	Class : Topic : ←	Class : Topic : SUNDAY	Class : Topic : HOLIDAYS	Class : Topic : →	Class : Topic :

is week work load _____

b) Casual leaves availed _____

1/2 day H.O.D.

Ac. Co.

Principal

WEEKLY DIARY		MONTH OF: <u>January</u>				
Timing of the Period						
Day and Date	Time : 9:00 - 9:50 am am	Time : 9:50 - 10:40 am am	Time : 10:40 - 11:30 am am	Time : 11:30 - 12:20 am pm	Time : 1:30 - 2:20 pm pm	Time : 2:20 - pm
MONDAY DATE: <u>16/1/23</u> Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:
TUESDAY DATE: <u>17/1/23</u> Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:
WEDNESDAY DATE: <u>18/1/23</u> Class: <u>Len-T</u> Topic: <u>All Rth</u> <u>Heck-CE</u>	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:
THURSDAY DATE: <u>19/1/23</u> Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:
FRIDAY DATE: <u>20/1/23</u> Class: <u>Len-T</u> Topic: <u>All Rth</u> <u>Heck-CE</u>	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:
SATURDAY DATE: <u>21/1/23</u> Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:

a) This week work load Q2

b) Casual leaves availed None

H.O.D.

Ac. Co.

Principal

WEEKLY DIARY

MONTH OF: January

Temporary

Timing of the Period Day and Date	Time : 9:00 - 9:50 am	Time : 9:50 - 10:40 am	Time : 10:40 - 12:30 am	Time : 11:30 - 12:20 pm	Time : 1:30 - 2:20 pm	Time : 2:20 - 3:10 pm
MONDAY E: 23/1/23	Class : <u>Sen-I</u> Topic : <u>FS withers</u> <u>Respiratory tract</u> (P)	Class : <u>Sen-I</u> Topic : <u>All cells</u> (T) <u>acetylcholine</u>	Class : <u>Sen-I</u> Topic : <u>All cells</u> (T)	Class : Topic :	Class : Topic :	Class : Topic :
TUESDAY E: 24/1/23	Class : <u>Sen-I</u> Topic : <u>ATC/MT c</u> (P) <u>Monoclonal</u> <u>Co-Dominance</u> (P)	Class : <u>Sen-I</u> Topic : <u>All cells</u> (T) <u>Multiple alleles</u>	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :
WEDNESDAY E: 25/1/23	Class : Topic : <u>←</u>	Class : Topic : <u>COL</u> <u>←</u>	Class : Topic : <u>→</u>	Class : Topic :	Class : Topic :	Class : Topic :
THURSDAY E: 26/1/23	Class : Topic : <u>←</u> <u>Republc day</u> <u>→</u>	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :
FRIDAY E: 27/1/23	Class : <u>Sen-I</u> Topic : <u>All cells</u> (T) <u>Excretion</u>	Class : <u>Sen-I</u> Topic : <u>NAAC</u> <u>←</u>	Class : Topic : <u>meet</u> <u>→</u>	Class : Topic :	Class : Topic :	Class : Topic :
SATURDAY E: 28/1/23	Class : <u>Sen-I</u> Topic : <u>Excretion</u> (T)	Class : <u>Sen-I</u> Topic : <u>All cells</u> (T)	Class : <u>Sen-I</u> Topic : <u>Excretion</u> (T)	Class : Topic :	Class : Topic :	Class : Topic :

This week work load 11

b) Casual leaves availed 01

H.O.D. [Signature]

Ac. Co. [Signature]

Principal [Signature]

WEEKLY DIARY

MONTH OF :

January & February

Timing of the Period Day and Date		Time : 9:00 - 9:50 am	Time : 9:50 - 10:40 am	Time : 10:40 - 11:30 am	Time : 11:30 - 12:20 pm	Time : 1:30 - 2:20 pm	Time : 2:20 - 3:10 pm
MONDAY DATE : 20/1/2023	Class : Topic : SEM-I AM BTH Genetics. (T)	Class : Topic : SEM-I AM BTH Genetics. (T)	Class : Topic : SEM-I AM BTH Genetics. (P)	Class : Topic : SEM-I AM BTH Genetics. (P)	Class : Topic : SEM-I AM BTH Genetics. (P)	Class : Topic : SEM-I AM BTH Genetics. (P)	Class : Topic : SEM-I AM BTH Genetics. (P)
TUESDAY DATE : 21/1/2023	Class : Topic : SEM-I AM BTH Genetics. (T)	Class : Topic : SEM-I AM BTH Genetics. (P)	Class : Topic : SEM-I AM BTH Genetics. (P)	Class : Topic : SEM-I AM BTH Genetics. (P)	Class : Topic : SEM-I AM BTH Genetics. (P)	Class : Topic : SEM-I AM BTH Genetics. (P)	Class : Topic : SEM-I AM BTH Genetics. (P)
WEDNESDAY DATE : 01/02/2023	Class : Topic : SEM-I AM BTH Genetics. (T)	Class : Topic : SEM-I AM BTH Genetics. (P)	Class : Topic : SEM-I AM BTH Genetics. (P)	Class : Topic : SEM-I AM BTH Genetics. (P)	Class : Topic : SEM-I AM BTH Genetics. (P)	Class : Topic : SEM-I AM BTH Genetics. (P)	Class : Topic : SEM-I AM BTH Genetics. (P)
THURSDAY DATE : 02/02/2023	Class : Topic : SEM-I AM BTH Genetics. (T)	Class : Topic : SEM-I AM BTH Genetics. (P)	Class : Topic : SEM-I AM BTH Genetics. (P)	Class : Topic : SEM-I AM BTH Genetics. (P)	Class : Topic : SEM-I AM BTH Genetics. (P)	Class : Topic : SEM-I AM BTH Genetics. (P)	Class : Topic : SEM-I AM BTH Genetics. (P)
FRIDAY DATE : 03/02/2023	Class : Topic : SEM-I AM BTH Genetics. (T)	Class : Topic : SEM-I AM BTH Genetics. (P)	Class : Topic : SEM-I AM BTH Genetics. (P)	Class : Topic : SEM-I AM BTH Genetics. (P)	Class : Topic : SEM-I AM BTH Genetics. (P)	Class : Topic : SEM-I AM BTH Genetics. (P)	Class : Topic : SEM-I AM BTH Genetics. (P)
SATURDAY DATE : 04/02/2023	Class : Topic : SEM-I AM BTH Genetics. (T)	Class : Topic : SEM-I AM BTH Genetics. (P)	Class : Topic : SEM-I AM BTH Genetics. (P)	Class : Topic : SEM-I AM BTH Genetics. (P)	Class : Topic : SEM-I AM BTH Genetics. (P)	Class : Topic : SEM-I AM BTH Genetics. (P)	Class : Topic : SEM-I AM BTH Genetics. (P)

Total work load

05

b) Casual leaves availed

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H. No.

Ac. Co.

11

Principal

CLY DIARY

MONTH OF: February

ing of the Period Day and Date	Time : 9:00-9:50 am	Time : 9:50-10:40 am	Time : 10:40-11:30 am	Time : 11:30-12:20 pm	Time : 1:30-2:20 pm	Time : 2:20-3:10 pm
MONDAY	Class : <u>Scm-6</u> Topic : <u>mpc/ompe</u> ① <u>PHH</u> <u>directus</u>	Class : <u>Scm-4</u> Topic : <u>All B's</u> ① <u>mean</u>	Class : <u>Scm-4</u> Topic : <u>PS</u> ① <u>MKG products</u>	Class : <u>Scm-4</u> Topic : <u>ALL B's</u> ① <u>seminars</u>	Class : Topic :	Class : Topic :
TUESDAY	Class : <u>Scm-6</u> Topic : <u>mpc/ompe</u> ① <u>PHH</u> <u>madame/fitaa</u>	Class : <u>Scm-4</u> Topic : <u>All B's</u> ① <u>photos</u>	Class : <u>Scm-4</u> Topic : <u>PS</u> ① <u>MKG</u>	Class : <u>Scm-4</u> Topic : <u>ALL B's</u> ① <u>seminars</u>	Class : Topic :	Class : Topic :
WEDNESDAY	Class : Topic :	Class : Topic : <u>COL</u>	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :
THURSDAY	Class : Topic :	Class : Topic : <u>Antenational conference</u> ① <u>CD</u>	Class : Topic :	Class : Topic : <u>Antenational conference</u> ① <u>CDU</u>	Class : Topic :	Class : Topic :
FRIDAY	Class : Topic :	Class : Topic : <u>Antenational conference</u> ① <u>CD</u>	Class : Topic :	Class : Topic : <u>Antenational conference</u> ① <u>CDU</u>	Class : Topic :	Class : Topic :
SATURDAY	Class : Topic :	Class : Topic : <u>COL</u>	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :

week work load 07

b) Casual leaves availed 2 CL

H.O.D. 

Ac. Co.

Principal 

WEEKLY DIARY

MONTH OF : February 9 March

Timing of the Period Day and Date	Time : 9:00 - 9:50 am am	Time : 9:50 - 10:40 am am	Time : 10:40 - 11:30 am am	Time : 11:30 - 12:20 am pm	Time : 1:30 - 2:20 pm pm	Time : 2:20 - 3:10 pm pm
MONDAY DATE : 27/12/2023	Class : Sem-6 Topic : Btcl/bz/miz SWN	Class : Sem-4 Topic : All Bt Mediam.	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :
TUESDAY DATE : 28/12/2023	Class : Topic :	Class : Topic : (National fire day) CCMB visit	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :
WEDNESDAY DATE : 01/3/2023	Class : Sem-6 Topic : Btcl/bz/miz PHH (Diseases)	Class : Sem-II Topic : Btcl/bz/miz Practical introduction	Class : Sem-6 Topic : Btcl/bz/miz	Class : Sem-II Topic : All Bt Biochemistry introduction	Class : Sem-4 Topic : All Bt Prostatistice.	Class : Topic :
THURSDAY DATE : 02/03/2023	Class : Sem-6 Topic : PHH Btcl/bz/miz Common cattle diseases	Class : Sem-2 Topic : All Bt Btcl/bz/miz	Class : Sem-6 Topic : Btcl/bz/miz SWN.	Class : Sem-2 Topic : All Bt Carbohydrates	Class : Sem-4 Topic : All Bt Breasts.	Class : Topic :
FRIDAY DATE : 03/03/2023	Class : Sem-II Topic : Bt Classification of carbohydrates	Class : Sem-6 Topic : Bt Bt vaccine	Class : Sem-6 Topic : Bt Firearm resources	Class : Sem-4 Topic : Bt Mediam	Class : Sem-4 Topic : Bt FS + MD (ed) of	Class : Topic :
SATURDAY DATE : 04/03/2023	Class : Sem-2 Topic : Bt All work	Class : Sem-4 Topic : Bt Mediam	Class : Sem-6 Topic : Bt Mediam	Class : Sem-4 Topic : Bt Mediam	Class : Sem-4 Topic : Bt Mediam	Class : Topic :

a) This week work load 23

b) Casual leaves availed

H.O.D.

Ac. Co.

Principal

WEEKLY DIARY

MONTH OF :

MARCH.

Timing of the Period Day and Date	Time : 9:00 - 9:50 Am	Time : 9:50 - 10:40 Am	Time : 10:40 - 11:30 Am	Time : 11:30 - 12:20 Pm	Time : 1:30 - 2:20 Pm	Time : 2:20 - 3:10 Pm
MONDAY E : 16/03/2023	Class : Topic : Sem-6 Btcl/bz/miz (T) Energy resources	Class : Topic : Sem-6 Btcl/miz (T) Energy resources	Class : Topic : Sem-3 Btcl (AM) (T) Glu, fuc, Galactose	Class : Topic : Sem-3 Btcl/miz (T) Glu, fuc, Galactose	Class : Topic : Sem-4 Btcl/miz (T) Glu, fuc, Galactose	Class : Topic : Sem-4 Btcl/miz (T) Glu, fuc, Galactose
TUESDAY E : 07/03/2023	Class : Topic : Sem-6 Btcl/bz/miz (T) Energy resources	Class : Topic : Sem-6 Btcl/miz (T) Energy resources	Class : Topic : Sem-6 Btcl/miz (T) Energy resources	Class : Topic : Sem-6 Btcl/miz (T) Energy resources	Class : Topic : Sem-6 Btcl/miz (T) Energy resources	Class : Topic : Sem-6 Btcl/miz (T) Energy resources
WEDNESDAY E : 08/03/2023	Class : Topic : Sem-6 Btcl/bz/miz (T) Energy resources	Class : Topic : Sem-6 Btcl/miz (T) Energy resources	Class : Topic : Sem-6 Btcl/miz (T) Energy resources	Class : Topic : Sem-6 Btcl/miz (T) Energy resources	Class : Topic : Sem-6 Btcl/miz (T) Energy resources	Class : Topic : Sem-6 Btcl/miz (T) Energy resources
THURSDAY E : 09/03/2023	Class : Topic : Sem-6 Btcl/bz/miz (T) Energy resources	Class : Topic : Sem-6 Btcl/miz (T) Energy resources	Class : Topic : Sem-6 Btcl/miz (T) Energy resources	Class : Topic : Sem-6 Btcl/miz (T) Energy resources	Class : Topic : Sem-6 Btcl/miz (T) Energy resources	Class : Topic : Sem-6 Btcl/miz (T) Energy resources
FRIDAY E : 10/03/2023	Class : Topic : Sem-6 Btcl/bz/miz (T) Energy resources	Class : Topic : Sem-6 Btcl/miz (T) Energy resources	Class : Topic : Sem-6 Btcl/miz (T) Energy resources	Class : Topic : Sem-6 Btcl/miz (T) Energy resources	Class : Topic : Sem-6 Btcl/miz (T) Energy resources	Class : Topic : Sem-6 Btcl/miz (T) Energy resources
SATURDAY E : 11/03/2023	Class : Topic : Sem-6 Btcl/bz/miz (T) Energy resources	Class : Topic : Sem-6 Btcl/miz (T) Energy resources	Class : Topic : Sem-6 Btcl/miz (T) Energy resources	Class : Topic : Sem-6 Btcl/miz (T) Energy resources	Class : Topic : Sem-6 Btcl/miz (T) Energy resources	Class : Topic : Sem-6 Btcl/miz (T) Energy resources

This week work load

96

b) Casual leaves availed

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H. Ad.

Ac. Co.

Principal

Mauls

Timing of the Period					
Day and Date	Time : 9:00 - 9:50 AM	Time : 9:50-10:40 AM	Time : 10:40-11:30 PM	Time : 11:30-12:20 PM	Time : 1:30-2:20 PM
MONDAY E: 1/3/2023	Class: Topic: ←	Class: Topic: ← classes suspended → (auto student absent)	Class: Topic: →	Class: Topic: →	Class: Topic: →
TUESDAY E: 1/03/2023	Class: Sem-6 Topic: Esthetics/mix ⊕ BOD	Class: Sem-2 Topic: Esthetics/mix ⊕ cosmetic products	Class: Sem-4 Topic: Allergic diseases	Class: Sem-2 Topic: Bts call ⊕ dermatitis.	Class: Topic:
WEDNESDAY E: 2-3-23	Class: Topic:	Class: Topic: ← VCAAD	Class: Topic: FESTIVAL	Class: Topic: →	Class: Topic:
THURSDAY E: 3-3-2023	Class: Sem-VI Topic: PHH, stacks/mix ⊕ Public health	Class: Sem-2 Topic: Bts ⊕ AA's introduction	Class: Sem-4 Topic: Bts (mix) ⊕ Bioreactors	Class: Sem-2 Topic: Bts ⊕ Amniocentesis class fraction	Class: Sem-4 Topic: Bts call ⊕ Notes.
FRIDAY E: 4/03/23.	Class: Sem-2 Topic: Bts ⊕ Peptide bond	Class: Sem-4 Topic: Bts call ⊕ antibodies can many modern gmets.	Class: Topic:	Class: Topic:	Class: Topic:
SATURDAY E: 4/03/23	Class: Sem-2 Topic: Bts ⊕ AD properties	Class: Sem-4 Topic: Esthetics/mix ⊕ Bioinformatics Appad	Class: Sem-2 Topic: Allergic ⊕ Chemical properties of AD	Class: Sem-4 Topic: Bts measures of dispersion	Class: Topic:

Principal

WEEKLY DIARY

MONTH OF : April

Timing of the Period Day and Date	Time : 9:00 - 9:50 am	Time : 9:50 - 10:40 am	Time : 10:40 - 11:30 am	Time : 11:30 - 12:20 pm	Time : 1:30 - 2:20 pm	Time : 2:20 - 3:10 pm
MONDAY E : 10/4/23	Class : Topic : ←	Class : Topic : Surveillance duty 11/4/23	Class : Topic : Surveillance duty 11/4/23	Class : Topic : →	Class : Topic : →	Class : Topic : →
TUESDAY E : 11/04/23	Class : Topic : ←	Class : Topic : Surveillance duty 11/4/23	Class : Topic : Surveillance duty 11/4/23	Class : Topic : →	Class : Topic : →	Class : Topic : →
WEDNESDAY E : 12/4/23	Class : Topic : ←	Class : Topic : HOLIDAY 12/4/23	Class : Topic : HOLIDAY 12/4/23	Class : Topic : →	Class : Topic : →	Class : Topic : →
THURSDAY E : 13/4/23	Class : Topic : ←	Class : Topic : Surveillance duty 13/4/23	Class : Topic : Surveillance duty 13/4/23	Class : Topic : →	Class : Topic : →	Class : Topic : →
FRIDAY E : 14/4/23	Class : Topic : ←	Class : Topic : GOOD FRIDAY 14/4/23	Class : Topic : GOOD FRIDAY 14/4/23	Class : Topic : →	Class : Topic : →	Class : Topic : →
SATURDAY E : 15/4/23	Class : Topic : →	Class : Topic : HOLIDAY 15/4/23	Class : Topic : HOLIDAY 15/4/23	Class : Topic : →	Class : Topic : →	Class : Topic : →

This week work load

b) Casual leaves availed

H.B.D.

Ac. Co.

Principal

WEEKLY DIARY		MONTH OF : April				
Timing of the Period		Time : 9:00 - 9:50	Time : 9:50 - 10:40	Time : 10:40 - 11:30	Time : 11:30 - 12:20	Time : 12:20 - 2:20
Day and Date		am	am	am	am	pm
MONDAY	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :
DATE : 10/4/23		Amalgamation Duty				
TUESDAY	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :
DATE : 11/4/23	sem-6 med med (T) PHH	sem-6 BIOCLAMIC (T) FNU (T)	sem-II All Bts (T) Structure of proteins	sem-4 All Bts (T) Abstracts		sem-6 med/med (T)
WEDNESDAY	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :
DATE : 12/4/23	sem-6 BIOCHEM/M2 (T) PHH	sem-3 All Bts (T) Structure of proteins	sem-6 Bts (T) pollution			
THURSDAY	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :
DATE : 13/4/23	sem-II Bts (T) M-O's classification	sem-II Bts (T) Radio-molecules	sem-4 All Bts (T) SD problems			
FRIDAY	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :
DATE : 14/4/23		HOLIDAY				
SATURDAY	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :
DATE : 15/4/23	sem-II Bts (T) Nutritional diseases	sem-IV Bts (T) SD problems	sem-IV Bts (T) Various problems			

a) This week work load 13

b) Casual leaves availed

H.B.

Ac. Co.

Principal

EKLIV DIARY

MONTH OF :

May

Timing of the Period Day and Date		Time : 07:00 - 09:50	Time : 09:50 - 10:40	Time : 10:40 - 11:30	Time : 11:30 - 12:20	Time : 12:30 - 2:20	Time : 2:20 - 3:10
MONDAY	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :
01/05/23		CL					
TUESDAY	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :
02/05/23	← Departmental works →						
WEDNESDAY	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :
03/05/23	Sem-2 II (Bt) (P) Bt & Bt Bt & Bt	Sem-2 Bt II (Bt) (P)	Sem-4 (A) Antennal Exam Bt & Bt				
THURSDAY	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :
04/05/23	Sem-2 Bt & Bt (A) (P) Bt & Bt Bt & Bt	Sem-2 Bt (Bt) II (P) Bt & Bt	Antennal Exam Bt & Bt				
FRIDAY	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :
05/05/23	Sem-2 (P) Bt (A) (P) Bt & Bt						
SATURDAY	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :
06/05/23	Sem-2 (P) Bt (A) (P) Bt & Bt						

This week work load 08 b) Casual leaves availed 01 H. Ad. Ac. Co. Principal

WEEKLY DIARY

MONTH OF: MAY

Timing of the Period Day and Date	Time : 9:00-9:50 am	Time : 9:50-10:40 am	Time : 10:40-11:30 am	Time : 11:30-12:20 pm	Time : 1:30-2:20 pm	Time : 2:20-3:00 pm
MONDAY DATE : 08/5/23	Class : Topic : Lem-II RtB (HII) Antennal development-2	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :
TUESDAY DATE : 09/5/23	Class : Topic :	Class : Topic : Departmental work	Class : Topic : work	Class : Topic :	Class : Topic :	Class : Topic :
WEDNESDAY DATE : 10/5/23	Class : Topic :	Class : Topic : Departmental work	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :
THURSDAY DATE : 11/5/23	Class : Topic :	Class : Topic : Departmental work	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :
FRIDAY DATE : 12-05-2023	Class : Topic :	Class : Topic : Departmental work	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :
SATURDAY DATE : 13-05-2023	Class : Topic : ← Departmental work	Class : Topic : (avoided) →	Class : Topic : →	Class : Topic :	Class : Topic :	Class : Topic :

a) This week work load

29

b) Casual leaves availed

01

H.O.D.

Ac. Co.

Principal

WEEKLY DIARY

MONTH OF: MAY

Timing of the Period Day and Date	Time : 9:00 - 9:50 am	Time : 9:50 - 10:40 am	Time : 10:40 - 11:30 am	Time : 11:30 - 12:20 pm	Time : 1:30 - 2:20 pm	Time : 2:20 - 3:15 pm
MONDAY E: 15/5/2023	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :
TUESDAY E: 16/5/2023	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :
WEDNESDAY E: 17/05/2023	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :
THURSDAY E: 18/5/23	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :
FRIDAY E: 19/5/23	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :
SATURDAY E: 20/5/23	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :

This week work load

b) Casual leaves availed

H.O.D.

Ac. Co.

Principal

WEEKLY DIARY

MONTH OF : May

Timing of the Period Day and Date		Time : 7:00 - 9:50 am am	Time : 9:50 - 10:40 am am	Time : 10:40 - 11:30 am am	Time : 11:30 - 12:20 pm pm	Time : 1:30 - 2:20 pm pm	Time : 2:20 - 3:10 pm pm
MONDAY DATE : 22/5/2023	Class : Topic :	Class : Topic :	← Departmental works →	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :
TUESDAY DATE : 23/5/23	Class : Topic :	Class : Topic :	← Departmental works →	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :
WEDNESDAY DATE : 24/5/23	Class : Topic :	Class : Topic :	← Departmental works →	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :
THURSDAY DATE : 25/5/23	Class : Topic :	Class : Topic :	← Departmental works →	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :
FRIDAY DATE : 26/5/23	Class : Topic :	Class : Topic :	← C.L. →	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :
SATURDAY DATE : 27/5/23	Class : Topic :	Class : Topic :	← Departmental works →	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :

a) This week work load

b) Casual leaves availed

01

H.O.D.

Ac. Co.

Principal

MONTH OF : May June

Name of the Period						
Day and Date	Time : 9:00 - 9:50 am pm	Time : 9:50 - 10:40 am pm	Time : 10:40 - 11:30 am pm	Time : 11:30 - 12:20 am pm	Time : 1:30 - 2:20 pm pm	Time : 2:20 - 3:10 pm pm
MONDAY 29/06/23	Class : Topic :	Class : Topic : ← Departmental work	Class : Topic :	Class : Topic : →	Class : Topic :	Class : Topic :
TUESDAY 30/06/23	Class : Topic :	Class : Topic : ← Departmental work	Class : Topic :	Class : Topic : →	Class : Topic :	Class : Topic :
WEDNESDAY 01/07/23	Class : Topic :	Class : Topic : ← COL	Class : Topic :	Class : Topic : →	Class : Topic :	Class : Topic :
THURSDAY 01/06/2023	Class : Topic :	Class : Topic : ← Departmental work	Class : Topic : (Record corrections)	Class : Topic : →	Class : Topic :	Class : Topic :
FRIDAY 02/06/2023	Class : Topic :	Class : Topic : ←	Class : Topic : (Record corrections) Departmental work	Class : Topic : →	Class : Topic :	Class : Topic :
SATURDAY 03/06/2023	Class : Topic :	Class : Topic : ← Practical Examinations	Class : Topic :	Class : Topic : →	Class : Topic :	Class : Topic :

Principal

WEEKLY DIARY

MONTH OF: June

Timing of the Period		Time		Time		Time		Time	
Day and Date		Day and Date		Day and Date		Day and Date		Day and Date	
MONDAY	DATE:	Class:	Topic:	Class:	Topic:	Class:	Topic:	Class:	Topic:
05/06/2023									
TUESDAY	DATE:	Class:	Topic:	Class:	Topic:	Class:	Topic:	Class:	Topic:
06/06/2023									
WEDNESDAY	DATE:	Class:	Topic:	Class:	Topic:	Class:	Topic:	Class:	Topic:
07/06/2023									
THURSDAY	DATE:	Class:	Topic:	Class:	Topic:	Class:	Topic:	Class:	Topic:
08/06/2023									
FRIDAY	DATE:	Class:	Topic:	Class:	Topic:	Class:	Topic:	Class:	Topic:
09/06/2023									
SATURDAY	DATE:	Class:	Topic:	Class:	Topic:	Class:	Topic:	Class:	Topic:
10/06/2023									

a) This week work load _____

b) Casual leaves availed _____

H. B.

Ac. Co.

Principal

MONTH OF : June

Day and Date		Time		Time		Time		Time		Time	
MONDAY		9:00-9:50 AM		9:50-10:40 AM		10:40-11:30 AM		11:30-12:20 PM		1:30-2:20 PM	
26/6/23		Class : Topic :	←	Class : Topic :	←	Class : Topic :	←	Class : Topic :	←	Class : Topic :	←
TUESDAY		9:00-9:50 AM		9:50-10:40 AM		10:40-11:30 AM		11:30-12:20 PM		1:30-2:20 PM	
27/6/23		Class : Topic :	←	Class : Topic :	←	Class : Topic :	←	Class : Topic :	←	Class : Topic :	←
WEDNESDAY		9:00-9:50 AM		9:50-10:40 AM		10:40-11:30 AM		11:30-12:20 PM		1:30-2:20 PM	
28/6/23		Class : Topic :	←	Class : Topic :	←	Class : Topic :	←	Class : Topic :	←	Class : Topic :	←
THURSDAY		9:00-9:50 AM		9:50-10:40 AM		10:40-11:30 AM		11:30-12:20 PM		1:30-2:20 PM	
29/6/23		Class : Topic :	←	Class : Topic :	←	Class : Topic :	←	Class : Topic :	←	Class : Topic :	←
FRIDAY		9:00-9:50 AM		9:50-10:40 AM		10:40-11:30 AM		11:30-12:20 PM		1:30-2:20 PM	
30/6/23		Class : Topic :	←	Class : Topic :	←	Class : Topic :	←	Class : Topic :	←	Class : Topic :	←
SATURDAY		9:00-9:50 AM		9:50-10:40 AM		10:40-11:30 AM		11:30-12:20 PM		1:30-2:20 PM	
		Class : Topic :	←	Class : Topic :	←	Class : Topic :	←	Class : Topic :	←	Class : Topic :	←

Week work load _____ b) Casual leaves availed _____

Principal



VAGDEVI DEGREE & P.G. COLLEGE

KISHANPURA, HANAMKONDA - 506 001, T.S.

TEACHING DIARY FOR THE U.G./P.G. COURSES - 086/117

Academic Year 2022 - 2023

Name: A. Kavitha (UG)

Subject: BOTANY

Dept. of BOTANY

Lecturer's I.D. No. _____

TIME TABLE

NAME OF THE TEACHER :

SUBJECT :

DAY-PERIOD	1st PERIOD (Time 9:00 - 9:50)	2nd PERIOD (Time 9:50 - 10:40)	3rd PERIOD (Time 10:40 - 11:30)	4th PERIOD (Time 11:30 - 12:20)	5th PERIOD (Time 1:30 - 2:20)	6th PERIOD (Time 2:20 - 3:10)	7th PERIOD (Time 3:10 - 4:00)
MONDAY	B2C3 - I ^{sem} B2C-B, B2C3 - VI ^{sem}		B2C - A VI ^{sem}		B2C3 - II ^{sem} B2C3 - II ^{sem}		
TUESDAY	B2C3 - I ^{sem} B2C-B, B2C3 - VI ^{sem}		B2C - A VI ^{sem}		B2C3 - II ^{sem} B2C3 - II ^{sem}		
WEDNESDAY	B2C - I ^{sem}	B2C - A VI ^{sem}	B2C3 - II ^{sem}	FB2C, FB22 - I ^{sem} B2C-B, B2C3 - VI ^{sem}			
THURSDAY	BtB2C, BtB22, F3 - II ^{sem} B2C - I ^{sem}	BtB22 - III		FB2C, FB22 - I ^{sem} BtB2C, BtB22, F3, ND - VI ^{sem}			
FRIDAY	BtB2C, BtB22 - I ^{sem} BtB2C, BtB22, F3, ND - VI ^{sem}	BtB22 - III		BtB2C, BtB22, F3 - II ^{sem}			
SATURDAY	BtB2C, BtB22 - I ^{sem} BtB2C, BtB22, F3, ND - VI ^{sem}			BtB2C, BtB22, F3 - II ^{sem}	BtB2C - VI ^{sem} Practical		

A. S. S. S.

LEAVE ACCOUNT

Month	Dates of CLS availed in the month	CLS availed up to last availed	Total Number of CLS availed	Balance of CL
JUNE	—	—	—	—
JULY	—	—	—	—
AUGUST	24/08/2022 27/08/2022	00	02	18
SEPTEMBER	—	—	—	—
OCTOBER	10/10/2022	02	04	17
NOVEMBER	15/11/2022	03	04	16
DECEMBER	—	03	—	16
JANUARY	27/01/2023	04	01	15
FEBRUARY	03/02/23 17/02/23	05	02	13
MARCH	14/03/23	07	01	12
APRIL	3/04/23 11/04/23	08	02	10
MAY	3/5/23 10/5/23 11/5/23	10	03	07

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A. Subudhakar

ALMANAC

Academic Year: 2022 - 23

PARTICULARS	SEMESTER : V & III	SEMESTER : I	SEMESTER :
Commencement of Classes & last date of Re-admission	16-08-2022	10-10-2022	
I-Internal Assessment Test	19-09-2022 to 22/09/2022	08/12/2022 to 09/12/2022	
II-Internal Assessment Test	26/09/2022 to 08/10/2022	23/01/2023 to 24/01/2023	
Last day of Instruction	17/11/2022	03/02/2023	
Preparation holidays and practical examinations	18/11/2022 to 20/11/2022	04/02/2023 to 08/02/2023	
Commencement of examinations			

DP

A. Subash Kumar

ALMANAC

Academic Year... 2022-23

PARTICULARS	SEMESTER : V & III	SEMESTER : I	SEMESTER :
Commencement of Classes & last date of Re-admission	16-08-2022	10-10-2022	
I-Internal Assessment Test	19-09-2022 to 22/09/2022	08/12/2022 to 09/12/2022	
II-Internal Assessment Test	26/09/2022 to 08/10/2022	23/01/2023 to 24/01/2023	
Last day of Instruction	17/11/2022	03/02/2023	
Preparation holidays and practical examinations	18/11/2022 to 20/11/2022	04/02/2023 to 08/02/2023	
Commencement of examinations			

Signature

Signature

KEY DIARY		MONTH OF : August, 2022				
Day of the Period Day and Date		Time : 9:00 - 9:50 AM	Time : 10:40 - 11:30 AM	Time : 11:30 - 12:20	Time : 1:30 - 2:20 PM	Time : 2:20 - 3:10 PM
MONDAY 15/08/2022	Class : Topic : Independence day —	Class : Topic : Independence day —	Class : Topic : Independence day —	Class : Topic : Independence day —	Class : B2S - II Topic : Introduction of Embryology	Class : Topic : 20/08
TUESDAY 16/08	Class : Topic : Independence day —	Class : Topic : Independence day —	Class : Topic : Independence day —	Class : Topic : Independence day —	Class : B2S - II Topic : Introduction of Embryology History & Importance of embryology.	Class : Topic : 20/08
WEDNESDAY 17/08	Class : Topic : Independence day —	Class : Topic : Independence day —	Class : Topic : Independence day —	Class : Topic : Independence day —	Class : Topic : Independence day —	Class : Topic : 20/08
THURSDAY 18/08	Class : BtB2 - II Topic : V sem Conservation of Biodiversity, introduced	Class : Topic : Independence day —	Class : Topic : Independence day —	Class : Topic : Independence day —	Class : Topic : Independence day —	Class : Topic : 20/08
FRIDAY 19/08	Class : BtB2 - II Topic : V sem Conservation of Biodiversity levels	Class : Topic : Independence day —	Class : Topic : Independence day —	Class : Topic : Independence day —	Class : Topic : Independence day —	Class : Topic : 20/08
SATURDAY 20/08	Class : Topic : Independence day —	Class : Topic : Independence day —	Class : Topic : Independence day —	Class : Topic : Independence day —	Class : Topic : Independence day —	Class : Topic : 20/08

work load 04

b) Casual leaves availed —

Ac. Co.

Principal

WEEKLY DIARY		MONTH OF: August						
Timing of the Period		Time: 9:00-9:30 AM	Time: 9:30-10:40 AM	Time: 10:40-11:30	Time: 11:30-12:20	Time: 1:30-2:20 PM	Time: 2:20-3:10 PM	
Day and Date								
MONDAY DATE: 22/08/2022	Class: B2cs - II Topic: Another structure	Class: B2cs - II Topic: Another structure	Class: B2cs - II Topic: Another structure	Class: B2cs - II Topic: Another structure	Class: B2cs - II Topic: Another structure	Class: B2cs - II Topic: Another structure	Class: B2cs - II Topic: Another structure	
TUESDAY DATE: 23/08	Class: B2cs - II Topic: Another structure	Class: B2cs - II Topic: Another structure	Class: B2cs - II Topic: Another structure	Class: B2cs - II Topic: Another structure	Class: B2cs - II Topic: Another structure	Class: B2cs - II Topic: Another structure	Class: B2cs - II Topic: Another structure	
WEDNESDAY DATE: 24/08	Class: B2cs - II Topic: Another structure	Class: B2cs - II Topic: Another structure	Class: B2cs - II Topic: Another structure	Class: B2cs - II Topic: Another structure	Class: B2cs - II Topic: Another structure	Class: B2cs - II Topic: Another structure	Class: B2cs - II Topic: Another structure	
THURSDAY DATE: 25/08	Class: B2cs - II Topic: Another structure	Class: B2cs - II Topic: Another structure	Class: B2cs - II Topic: Another structure	Class: B2cs - II Topic: Another structure	Class: B2cs - II Topic: Another structure	Class: B2cs - II Topic: Another structure	Class: B2cs - II Topic: Another structure	
FRIDAY DATE: 26/08	Class: B2cs - II Topic: Another structure	Class: B2cs - II Topic: Another structure	Class: B2cs - II Topic: Another structure	Class: B2cs - II Topic: Another structure	Class: B2cs - II Topic: Another structure	Class: B2cs - II Topic: Another structure	Class: B2cs - II Topic: Another structure	
SATURDAY DATE: 27/08	Class: B2cs - II Topic: Another structure	Class: B2cs - II Topic: Another structure	Class: B2cs - II Topic: Another structure	Class: B2cs - II Topic: Another structure	Class: B2cs - II Topic: Another structure	Class: B2cs - II Topic: Another structure	Class: B2cs - II Topic: Another structure	

a) This week work load 04

b) Casual leaves availed 02

H.O.D. Principal

Ac. Co.

DIARY A. Kavitha.		MONTH OF: August & September 2022					
Day of the Period and Date	Time: 9:00-9:50 AM	Time: 9:50-10:40 AM	Time: 10:40-11:30 AM	Time: 11:30-12:20 PM	Time: 12:20-2:20 PM	Time: 2:20-3:10 PM	
MONDAY 29/08/22	Class: BTB2 - I sem Topic: Sacred grooves, Botanical gardens	Class: BTB2 - I sem Topic: Sacred grooves, Botanical gardens	Class: BTB2 - I sem Topic: Sacred grooves, Botanical gardens	Class: BTB2 - I sem Topic: Sacred grooves, Botanical gardens	Class: BTB2 - I sem Topic: Sacred grooves, Botanical gardens	Class: BTB2 - I sem Topic: Sacred grooves, Botanical gardens	
TUESDAY 30/08	Class: BTB2 - II sem Topic: Biosphere reserves.	Class: BTB2 - II sem Topic: Biosphere reserves.	Class: BTB2 - II sem Topic: Biosphere reserves.	Class: BTB2 - II sem Topic: Biosphere reserves.	Class: BTB2 - II sem Topic: Biosphere reserves.	Class: BTB2 - II sem Topic: Biosphere reserves.	
WEDNESDAY 31/08	Class: BTB2 - III sem Topic: Sacred grooves, Botanical gardens	= Vinayaka Chavithi? Holiday =					
THURSDAY 09/2022	Class: BTB2 - III sem Topic: Sacred grooves, Botanical gardens	Class: BTB2 - III sem Topic: Sacred grooves, Botanical gardens	Class: BTB2 - III sem Topic: Sacred grooves, Botanical gardens	Class: BTB2 - III sem Topic: Sacred grooves, Botanical gardens	Class: BTB2 - III sem Topic: Sacred grooves, Botanical gardens	Class: BTB2 - III sem Topic: Sacred grooves, Botanical gardens	
FRIDAY 01/09	Class: BTB2 - III sem Topic: Biosphere reserves.	Class: BTB2 - III sem Topic: Biosphere reserves.	Class: BTB2 - III sem Topic: Biosphere reserves.	Class: BTB2 - III sem Topic: Biosphere reserves.	Class: BTB2 - III sem Topic: Biosphere reserves.	Class: BTB2 - III sem Topic: Biosphere reserves.	
SATURDAY 03/09	Class: BTB2 - III sem Topic: Biosphere reserves.	Class: BTB2 - III sem Topic: Biosphere reserves.	Class: BTB2 - III sem Topic: Biosphere reserves.	Class: BTB2 - III sem Topic: Biosphere reserves.	Class: BTB2 - III sem Topic: Biosphere reserves.	Class: BTB2 - III sem Topic: Biosphere reserves.	

work load 04

b) Casual leaves availed

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H.O.D. 

Ac. Co.

Principal 

WEEKLY DIARY A - Kaviha		MONTH OF: October					
Timing of the Period		Time: 9:00-9:50	Time: 9:30-10:40 AM	Time: 10:40-11:30	Time: 11:20-12:20	Time: 1:30-2:20	Time: 2:20-
MONDAY		Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:
DATE: 03/10/2022							
TUESDAY		Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:
DATE: 04/10			Balkumma & Dushma		Holidays		
WEDNESDAY		Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:
DATE: 05/10							
THURSDAY		Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:
DATE: 06/10			Class: B1-B2-III Topic: Importance of Forests				
FRIDAY		Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:
DATE: 07/10			Class: B1-B2-III Topic: Utilization of Forest				
SATURDAY		Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:
DATE: 08/10							

a) This week work load 2 b) Casual leaves availed — H.O.D. [Signature] Ac. Co. [Signature] Principal

A. Kariha.		MONTH OF: October					A. Kariha.	
of the Period	Time: 9:00-9:50 AM	Time: 9:50-10:40 AM	Time: 10:40-11:50	Time: 11:30-12:20 PM	Time: 1:30-2:20 PM	Time: 2:20-3:10		
10/2022	Class: B2C-I Topic: General characters of Fungi	Class: B2C-I Topic: General characters of Fungi	Class: B2C-I Topic: General characters of Fungi	Class: B2C-I Topic: General characters of Fungi	Class: B2C-I Topic: General characters of Fungi	Class: B2C-I Topic: General characters of Fungi	Class: B2C-I Topic: General characters of Fungi	Class: B2C-I Topic: General characters of Fungi
11/10	Class: B2C-I Topic: General characters of Fungi	Class: B2C-I Topic: General characters of Fungi	Class: B2C-I Topic: General characters of Fungi	Class: B2C-I Topic: General characters of Fungi	Class: B2C-I Topic: General characters of Fungi	Class: B2C-I Topic: General characters of Fungi	Class: B2C-I Topic: General characters of Fungi	Class: B2C-I Topic: General characters of Fungi
12/10	Class: B2C-I Topic: General characters of Fungi	Class: B2C-I Topic: General characters of Fungi	Class: B2C-I Topic: General characters of Fungi	Class: B2C-I Topic: General characters of Fungi	Class: B2C-I Topic: General characters of Fungi	Class: B2C-I Topic: General characters of Fungi	Class: B2C-I Topic: General characters of Fungi	Class: B2C-I Topic: General characters of Fungi
13/10	Class: B2C-I Topic: General characters of Fungi	Class: B2C-I Topic: General characters of Fungi	Class: B2C-I Topic: General characters of Fungi	Class: B2C-I Topic: General characters of Fungi	Class: B2C-I Topic: General characters of Fungi	Class: B2C-I Topic: General characters of Fungi	Class: B2C-I Topic: General characters of Fungi	Class: B2C-I Topic: General characters of Fungi
14/10	Class: B2C-I Topic: General characters of Fungi	Class: B2C-I Topic: General characters of Fungi	Class: B2C-I Topic: General characters of Fungi	Class: B2C-I Topic: General characters of Fungi	Class: B2C-I Topic: General characters of Fungi	Class: B2C-I Topic: General characters of Fungi	Class: B2C-I Topic: General characters of Fungi	Class: B2C-I Topic: General characters of Fungi
15/10	Class: B2C-I Topic: General characters of Fungi	Class: B2C-I Topic: General characters of Fungi	Class: B2C-I Topic: General characters of Fungi	Class: B2C-I Topic: General characters of Fungi	Class: B2C-I Topic: General characters of Fungi	Class: B2C-I Topic: General characters of Fungi	Class: B2C-I Topic: General characters of Fungi	Class: B2C-I Topic: General characters of Fungi

work load 10

b) Casual leaves availed 0

0

Ac. Co.

Principal

WEEKLY DIARY A. Kaviitha		MONTH OF:				
Timing of the Period	Time	Time	Time	Time	Time	Time
Day and Date	9:00-9:50 AM	9:50-10:40 AM	10:40-11:30	11:30-12:20 AM-PM	1:30-2:20 PM	2:20
MONDAY DATE: 17/10/2022	Class: B2C1-I Topic: General character of fungi	Class: Topic:	Class: Topic:	Class: Topic:	Class: B2C3-II Topic: Pollen pistil interaction	Class: Topic:
TUESDAY DATE: 18/10	Class: B2C1-I Topic: Classification of Fungi	Class: Topic:	Class: Topic:	Class: Topic:	Class: B2C3-II Topic: Fertilization & Triple fusion	Class: Topic:
WEDNESDAY DATE: 19/10	Class: B2C-I Topic: Classification of Fungi	Class: Topic:	Class: Topic:	Class: B2C-I Topic: Classification of Fungi	Class: Topic:	Class: Topic:
THURSDAY DATE: 20/10	Class: B2C-I Topic: Albugo structure & Reproduction	Class: Topic:	Class: Topic:	Class: B2C-I Topic: Albugo structure & Asexual reproduction	Class: Topic:	Class: Topic:
FRIDAY DATE: 21/10	Class: B2C, B2B2-I Topic: Classification of Fungi	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:
SATURDAY DATE: 22/10	Class: B2C, B2B2-I Topic: Albugo structure & Asexual reproduction	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:

a) This week work load 12

b) Casual leaves availed —

H.O.D.

Ac. Co.

Principal

WEEKLY DIARY		MONTH OF: November				
Timing of the Period	Time	Time	Time	Time	Time	Time
Day and Date	Class	Class	Class	Class	Class	Class
DATE:	Topic:	Topic:	Topic:	Topic:	Topic:	Topic:
MONDAY 31/10/2022	B2C1 - I Albugo sexual reproduction	B2C1 - II Types of seeds				
TUESDAY 01/11	B2C1 - I Mucor structure & Asexual reproduction	B2C1 - II Seed dispersal				
WEDNESDAY 02/11	B2C1 - I Life cycle of Mucor	B2C1 - II Mecophytism & Biocal Emphy				
THURSDAY 03/11	B2C1 - I Saccharomyces cell structure	B2C1 - II Life cycle of Mucor				
FRIDAY 04/11	B2C1 - I Life cycle of Mucor	B2C1 - II Saccharomyces cell structure				
SATURDAY 05/11	B2C1 - I Saccharomyces cell structure	B2C1 - II Life cycle of Mucor				

a) This week work load 12

b) Casual leaves availed -

Ac. Co.

Principal

KEY DIARY - A. Kavitha.		MONTH OF: November					
Day and Date	Time	9:00 - 9:50 AM	9:50 - 10:40 AM	10:40 - 11:30	11:30 - 12:20 AM-PM	1:30 - 2:20 PM	2:20 - 3:10
MONDAY 07/11/22		Class: B2C-I Topic: Life cycle of Mucor	Class: Topic:	Class: Topic:	Class: Topic:	Class: B2C-II Topic: Types of endo Sperm.	Class: Topic:
TUESDAY 08/11		Class: Topic:	Guru nanak Jayanti: Holiday			Class: Topic:	Class: Topic:
WEDNESDAY 09/11		Class: B2C-I Topic: Saccharomyces Life cycle	Class: Topic:	Class: Topic:	Class: FB1, FB2-I Topic: Saccharomyces Life cycle	Class: Topic:	Class: Topic:
THURSDAY 10/11		Class: B2C-I Topic: Penicillium structure & Asexual reproduction	Class: B2B2-III Topic: Important food crops	Class: Topic:	Class: FB1, FB2-I Topic: Penicillium structure & Asexual reproduction	Class: Topic:	Class: Topic:
FRIDAY 11/11		Class: B2B1, B2B2-I Topic: Saccharomyces Life cycle	Class: B2B2-III Topic: Wood & its uses	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:
SATURDAY 12/11		Class: B2B1, B2B2-I Topic: Penicillium structure & Asexual reproduction	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:

work load 09

b) Casual leaves availed

H.O.D.

Ac. Co.

Principal

WEEKLY DIARY A. Kavi-itha		MONTH OF: November				
Timing of the Period Day and Date	Time : 9:00 - 9:30 AM	Time : 9:30 - 10:40 AM	Time : 10:40 - 11:30 AM	Time : 11:30 - 12:20 PM	Time : 12:20 - 2:20 PM	Time : 2:20 - 3 PM
MONDAY DATE: 14/11/2022	Class: B2C-I Topic: Saccharomyces cell structure	Class: Topic: = C.L. =	Class: Topic:	Class: Topic:	Class: B2C-II Topic: Polycembryony & type	Class: Topic:
TUESDAY DATE: 15/11	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:
WEDNESDAY DATE: 16/11	Class: B2C-I Topic: Penicillium sexual reproduction	Class: Topic:	Class: Topic:	Class: FB2C, FB2-I Topic: Penicillium sexual reproduction	Class: Topic:	Class: Topic:
THURSDAY DATE: 17/11	Class: B2C-I Topic: Puccinia Uredo & Telio spores	Class: B2B2-III Topic: Revision -	Class: Topic:	Class: FB2C, FB2-I Topic: Puccinia Uredo, Telio spores	Class: Topic:	Class: Topic:
FRIDAY DATE: 18/11	Class: B2B2, B2B2-I Topic: Penicillium sexual reproduction	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:
SATURDAY DATE: 19/11	Class: B2B2, B2B2-I Topic: Puccinia Uredo & Telio spores	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:

a) This week work load 09 b) Casual leaves availed 01 H.O.D. [Signature] Ac. Co. [Signature] Principal [Signature]

DIARY A. Kavi-tha

MONTH OF: November, 2022

Ac. Co.

Principal

Day and Date	Time : 9:00 - 9:30 AM	Time : 9:30 - 10:40 AM	Time : 10:40 - 11:30 AM	Time : 11:30 AM - 12:20 PM	Time : 12:20 - 2:20 PM	Time : 2:20 - 3:10 PM
SUNDAY 10/11/2022	Class : B2C1 - I Topic : Saccharomyces Life cycle.	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :
MONDAY 11/11	Class : B2C1 - I Topic : Penicillium streptocarpus & Asexual reproduction	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :
TUESDAY 12/11	Class : B2C1 - I Topic : Puccinia Accioides Basidio spores	Class : Topic :	Class : Topic :	Class : B2C1, B2C2 - I Topic : Puccinia basidioides Aeciospores.	Class : Topic :	Class : Topic :
WEDNESDAY 13/11	Class : B2C1 - I Topic : Puccinia like cycle.	Class : Topic :	Class : Topic :	Class : B2C1, B2C2 - I Topic : Puccinia like cycle.	Class : Topic :	Class : Topic :
THURSDAY 14/11	Class : B2B1, B2B2 - I Topic : Puccinia Basidioides Aeciospores.	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :
FRIDAY 15/11	Class : B2B1, B2B2 - I Topic : Puccinia like cycle.	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :

work load 08

b) Casual leaves availed

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H.O.D.

Ac. Co.

Principal

WEEKLY DIARY		A. Kavi-Ha		MONTH OF:		July 2024	
Timing of the Period	Day and Date	Time	Class	Topic	Time	Class	Topic
MONDAY DATE: 28/11	Time: 9:00 - 9:50 AM Class: B2cs - I Topic: Deuteromycota general character	Time: 9:50 - 10:40 AM Class: B2cs - I Topic: Deuteromycota general character	Time: 10:40 - 11:30 AM Class: B2cs - I Topic: Deuteromycota general character	Time: 11:30 - 12:20 PM Class: B2cs - I Topic: Deuteromycota general character	Time: 12:20 - 2:20 PM Class: B2cs - I Topic: Deuteromycota general character	Time: 2:20 - 3:10 PM Class: B2cs - I Topic: Deuteromycota general character	Time: 3:10 - 4:00 PM Class: B2cs - I Topic: Deuteromycota general character
TUESDAY DATE: 29/11	Time: 9:00 - 9:50 AM Class: B2cs - I Topic: Penicillium like cycle.	Time: 9:50 - 10:40 AM Class: B2cs - I Topic: Penicillium like cycle.	Time: 10:40 - 11:30 AM Class: B2cs - I Topic: Penicillium like cycle.	Time: 11:30 - 12:20 PM Class: B2cs - I Topic: Penicillium like cycle.	Time: 12:20 - 2:20 PM Class: B2cs - I Topic: Penicillium like cycle.	Time: 2:20 - 3:10 PM Class: B2cs - I Topic: Penicillium like cycle.	Time: 3:10 - 4:00 PM Class: B2cs - I Topic: Penicillium like cycle.
WEDNESDAY DATE: 30/11	Time: 9:00 - 9:50 AM Class: B2cs - I Topic: Deuteromycota general character	Time: 9:50 - 10:40 AM Class: B2cs - I Topic: Deuteromycota general character	Time: 10:40 - 11:30 AM Class: B2cs - I Topic: Deuteromycota general character	Time: 11:30 - 12:20 PM Class: B2cs - I Topic: Deuteromycota general character	Time: 12:20 - 2:20 PM Class: B2cs - I Topic: Deuteromycota general character	Time: 2:20 - 3:10 PM Class: B2cs - I Topic: Deuteromycota general character	Time: 3:10 - 4:00 PM Class: B2cs - I Topic: Deuteromycota general character
THURSDAY DATE: 01/12	Time: 9:00 - 9:50 AM Class: B2cs - I Topic: Cercospora structure & reproduction	Time: 9:50 - 10:40 AM Class: B2cs - I Topic: Cercospora structure & reproduction	Time: 10:40 - 11:30 AM Class: B2cs - I Topic: Cercospora structure & reproduction	Time: 11:30 - 12:20 PM Class: B2cs - I Topic: Cercospora structure & reproduction	Time: 12:20 - 2:20 PM Class: B2cs - I Topic: Cercospora structure & reproduction	Time: 2:20 - 3:10 PM Class: B2cs - I Topic: Cercospora structure & reproduction	Time: 3:10 - 4:00 PM Class: B2cs - I Topic: Cercospora structure & reproduction
FRIDAY DATE: 02/12	Time: 9:00 - 9:50 AM Class: B2cs - I Topic: Deuteromycota general character	Time: 9:50 - 10:40 AM Class: B2cs - I Topic: Deuteromycota general character	Time: 10:40 - 11:30 AM Class: B2cs - I Topic: Deuteromycota general character	Time: 11:30 - 12:20 PM Class: B2cs - I Topic: Deuteromycota general character	Time: 12:20 - 2:20 PM Class: B2cs - I Topic: Deuteromycota general character	Time: 2:20 - 3:10 PM Class: B2cs - I Topic: Deuteromycota general character	Time: 3:10 - 4:00 PM Class: B2cs - I Topic: Deuteromycota general character
SATURDAY DATE: 03/12	Time: 9:00 - 9:50 AM Class: B2cs - I Topic: Cercospora structure & reproduction	Time: 9:50 - 10:40 AM Class: B2cs - I Topic: Cercospora structure & reproduction	Time: 10:40 - 11:30 AM Class: B2cs - I Topic: Cercospora structure & reproduction	Time: 11:30 - 12:20 PM Class: B2cs - I Topic: Cercospora structure & reproduction	Time: 12:20 - 2:20 PM Class: B2cs - I Topic: Cercospora structure & reproduction	Time: 2:20 - 3:10 PM Class: B2cs - I Topic: Cercospora structure & reproduction	Time: 3:10 - 4:00 PM Class: B2cs - I Topic: Cercospora structure & reproduction

a) This week work load 08 b) Casual leaves availed 0 H.O.D. [Signature] Ac. Co. [Signature] Principal [Signature]

MONTH OF: December

A. Kavi-Iha

Period of the Day and Date	Time : 9:00 - 9:50 AM	Time : 9:50 - 10:40 AM	Time : 10:40 - 11:30 AM	Time : 11:30 - 12:20 AM - PM	Time : 1:30 - 2:20 PM	Time : 2:20 - 3:10 PM
MONDAY 05/12/22	Class : B2C5 - I Topic : Puccinia Uredo Teliospores	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :
TUESDAY 06/12	Class : B2C5 - I Topic : Puccinia libe cycle.	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :
WEDNESDAY 07/12	Class : Topic : Internal - I	Class : Topic : Internal - I	Class : Topic : Internal - I	Class : Topic :	Class : Topic :	Class : Topic :
THURSDAY 08/12	Class : Topic : Internal - I	Class : Topic : Internal - I	Class : Topic : Internal - I	Class : Topic :	Class : Topic :	Class : Topic :
FRIDAY 09/12	Class : B2B3C, B2B2 - I Topic : Lichens introduction & Economic, Temper tance.	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :
SATURDAY 10/12	Class : B2B3C, B2B2 - I Topic : Pteridophytogone ral characters	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :

H.O.D.

Principal

Ac. Co.

b) Casual leaves availed

04

of that week work load

WEEKLY DIARY A. Kavi-Itha		MONTH OF: December				
Timing of the Period		Time: 9:00 - 9:30 AM	Time: 9:30 - 10:40 AM	Time: 10:40 - 11:30 AM	Time: 11:30 - 12:20 PM	Time: 1:30 - 2:20 PM
MONDAY		Class: B2C - I Topic: Deuteromycotina general character	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:
DATE: 12/12/2022						
TUESDAY		Class: B2C - I Topic: Cercospora structure & reproduction	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:
DATE: 13/12						
WEDNESDAY		Class: B2C - I Topic: Lichens structure & Economic importance	Class: Topic:	Class: Topic:	Class: FBC, FB2 - I Topic: Lichens economic importance & into division	Class: Topic:
DATE: 14/12						
THURSDAY		Class: B2C - I Topic: Pteridophyta general character	Class: Topic:	Class: Topic:	Class: FBC, FB2 - I Topic: Pteridophyta general character	Class: Topic:
DATE: 15/12						
FRIDAY		Class: B2C, B2B - I Topic: Pteridophyta general character	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:
DATE: 16/12						
SATURDAY		Class: B2C, B2B - I Topic: Rhynia structure & reproduction	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:
DATE: 17/12						

a) This week work load

08

b) Casual leaves availed

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H.O.D.

Ac. Co.

Principal

REFLECTIVE DIARY		A. Kavilha		MONTH OF: December									
Timing of the Period Day and Date		Time : 9:00 - 9:50 AM	Time : 9:50 - 10:40 AM	Time : 10:40 - 11:30 AM	Time : 11:30 - 12:20 PM	Time : 1:30 - 2:20 PM	Time : 2:20 - 3:10 PM						
MONDAY 11/12/2022	Class : B2c - I Topic : Lichens structures Economic importance	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :						
TUESDAY 20/12	Class : B2s - I Topic : Pteridophyta gen eral characters	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :						
WEDNESDAY 21/12	Class : B2c - I Topic : Pteridophyta gen eral characters	Class : Topic :	Class : Topic :	Class : Topic :	Class : FBc, FBz - I Topic : Pteridophyta gen eral characters	Class : Topic :	Class : Topic :						
THURSDAY 22/12	Class : B2c - I Topic : Rhynia structure & reproduction	Class : Topic :	Class : Topic :	Class : Topic :	Class : FBc, FBz - I Topic : Rhynia structure & reproduction	Class : Topic :	Class : Topic :						
FRIDAY 23/12	Class : BtBc, BtBz - I Topic : Lycopodium stem stem & Root T-S	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :						
SATURDAY 24/12	Class : BtBc, BtBz - I Topic : Lycopodium stem Chloro ste Root T-S	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :						

Total work load 08

b) Casual leaves availed

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H.O.D.

Ac. Co.

Principal

MONTH OF: December 2022

A. Kavitha

WEEKLY DIARY

Timing of the Period Day and Date	Time : 9:00 - 9:50 AM	Time : 10:40 - 11:30 AM	Time : 12:20 - 1:20 PM	Time : 1:30 - 2:20 PM	Time
MONDAY DATE : 26/12/2022	Class : B2es - I Topic : Pteridophyllage neral character	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :
TUESDAY DATE : 27/12	Class : B2es - I Topic : Rhynia structure & reproduction	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :
WEDNESDAY DATE : 28/12	Class : B2c - I Topic : Lycopodium structure	Class : Topic :	Class : FBc, FB2 - I Topic : Lycopodium structure	Class : Topic :	Class : Topic :
THURSDAY DATE : 29/12	Class : B2c - I Topic : Lycopodium Root T-S, Leaf T-S	Class : Topic :	Class : FBc, FB2 - I Topic : Lycopodium Root T-S & Leaf T-S	Class : Topic :	Class : Topic :
FRIDAY DATE : 30/12	Class : B2Bc, B2B2 - I Topic : Lycopodium Stem T-S	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :
SATURDAY DATE : 31/12	Class : B2Bc, B2B2 - I Topic : Lycopodium Cone L-S	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :

WEEKLY DIARY A. Kavitha

MONTH OF: January 2023

Timing of the Period Day and Date	Time: 9:00-9:30 AM	Time: 9:30-10:40 AM	Time: 10:40-11:30 AM	Time: 11:30 AM-12:20 PM	Time: 1:30-2:20 PM	Time: 2:20-3 PM
MONDAY 00/01/2023	Class: B24-I Topic: Lycopodium structure	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:
TUESDAY 01/01/23	Class: B24-I Topic: Lycopodium Root-T.S & Leaf-T.S	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:
WEDNESDAY 04/01/23	Class: B24-I Topic:	Class: Topic:	= NO class work =		Class: Topic:	Class: Topic:
THURSDAY 05/01/23	Class: B24-I Topic: Lycopodium stem-T.S	Class: Topic:	Class: Topic:	Class: B24-I Topic: Lycopodium stem-T.S	Class: Topic:	Class: Topic:
FRIDAY 06/01/23	Class: B24-I Topic: Lycopodium gametophyte development	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:
SATURDAY 04/01/23	Class: B24-I Topic: Pollen of Lycopodium	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:

a) Total work load 06

b) Casual leaves availed

H.O.D.

Ac. Co.

Principal

WEEKLY DIARY A. Kaviha

MONTH OF: January 2023

Timing of the Period Day and Date	Time : 9:00 - 9:50 AM	Time : 9:50 - 10:40 AM	Time : 10:40 - 11:30 AM	Time : 11:30 - 12:20 AM - PM	Time : 12:30 - 2:20 PM
MONDAY DATE: 9/01/2023	Class: B2cs - I Topic: Lycopodium stem T-S	Class: B2cs - I Topic: Lycopodium stem T-S	Class: B2cs - I Topic: Lycopodium stem T-S	Class: B2cs - I Topic: Lycopodium stem T-S	Class: B2cs - I Topic: Lycopodium stem T-S
TUESDAY DATE: 10/01	Class: B2cs - I Topic: Lycopodium cone L-S	Class: B2cs - I Topic: Lycopodium cone L-S	Class: B2cs - I Topic: Lycopodium cone L-S	Class: B2cs - I Topic: Lycopodium cone L-S	Class: B2cs - I Topic: Lycopodium cone L-S
WEDNESDAY DATE: 11/01	Class: B2cs - I Topic: Lycopodium cone L-S	Class: B2cs - I Topic: Lycopodium cone L-S	Class: B2cs - I Topic: Lycopodium cone L-S	Class: B2cs - I Topic: Lycopodium cone L-S	Class: B2cs - I Topic: Lycopodium cone L-S
THURSDAY DATE: 12/01	Class: B2cs - I Topic: Lycopodium development of gametophyte	Class: B2cs - I Topic: Lycopodium development of gametophyte	Class: B2cs - I Topic: Lycopodium development of gametophyte	Class: B2cs - I Topic: Lycopodium development of gametophyte	Class: B2cs - I Topic: Lycopodium development of gametophyte
FRIDAY DATE: 13/01	Class: B2cs - I Topic: Lycopodium development of gametophyte	Class: B2cs - I Topic: Lycopodium development of gametophyte	Class: B2cs - I Topic: Lycopodium development of gametophyte	Class: B2cs - I Topic: Lycopodium development of gametophyte	Class: B2cs - I Topic: Lycopodium development of gametophyte
SATURDAY DATE: 14/01	Class: B2cs - I Topic: Lycopodium development of gametophyte	Class: B2cs - I Topic: Lycopodium development of gametophyte	Class: B2cs - I Topic: Lycopodium development of gametophyte	Class: B2cs - I Topic: Lycopodium development of gametophyte	Class: B2cs - I Topic: Lycopodium development of gametophyte

a) This week work load 06

b) Casual leaves availed -

Ac. Co. H.O.D.

Prin

NAME: A. Kavilka

MONTH OF: January 2023

Working of the Period Day and Date	Time : 9:00 - 9:50 AM	Time : 9:50 - 10:40 AM	Time : 10:40 - 11:30 AM	Time : 11:30 - 12:20 PM	Time : 12:20 - 1:10 PM	Time : 1:10 - 2:00 PM
SUNDAY 16/01	Class : Topic :	Class : Topic : <u>Sankranti holiday</u>	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :
TUESDAY 17/01	Class : Topic :	Class : Topic : <u>do</u>	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :
WEDNESDAY 18/01	Class : B2C-I Topic : <u>Prothallus of Lycopodium</u>	Class : Topic :	Class : Topic :	Class : FBc, FB2-I Topic : <u>Prothallus of Lycopodium</u>	Class : Topic :	Class : Topic :
THURSDAY 19/01	Class : B2C-I Topic : <u>Sexual reproduction in life cycle of Lycopodium</u>	Class : Topic :	Class : Topic :	Class : FBc, FB2-I Topic : <u>Sexual reproduction in Lycopodium</u>	Class : Topic :	Class : Topic :
FRIDAY 20/01	Class : B2C, B2B2-I Topic : <u>Sexual reproduction in Lycopodium</u>	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :
SATURDAY 21/01	Class : B2C, B2B2-I Topic : <u>Lycopodium life cycle.</u>	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :

1. This week work load: 06

b) Casual leaves/availed

13

H.O.D.

Ac. Co.

Principal

WEEKLY DIARY		MONTH OF: <u>January, 2023</u>					
Timing of the Period		Time: 9:00 - 9:50 AM	Time: 9:50 - 10:40 AM	Time: 10:40 - 11:30 AM	Time: 11:30 - 12:20 PM	Time: 12:20 - 2:00 PM	Time:
MONDAY							
DATE: <u>23/01/2023</u>		Class: <u> </u> Topic: <u> </u>	Class: <u> </u> Topic: <u>II nd</u>	Class: <u> </u> Topic: <u>Internal</u>	Class: <u> </u> Topic: <u> </u>	Class: <u> </u> Topic: <u> </u>	Class: <u> </u> Topic: <u> </u>
TUESDAY							
DATE: <u>24/01/2023</u>		Class: <u> </u> Topic: <u> </u>	Class: <u> </u> Topic: <u>II nd Internal</u>	Class: <u> </u> Topic: <u> </u>	Class: <u> </u> Topic: <u> </u>	Class: <u> </u> Topic: <u> </u>	Class: <u> </u> Topic: <u> </u>
WEDNESDAY							
DATE: <u>25/01</u>		Class: <u>B2C-I</u> Topic: <u>Lycopodium life cycle.</u>	Class: <u> </u> Topic: <u> </u>	Class: <u> </u> Topic: <u> </u>	Class: <u>FBc, FB2-I</u> Topic: <u>Lycopodium Life cycle.</u>	Class: <u> </u> Topic: <u> </u>	Class: <u> </u> Topic: <u> </u>
THURSDAY							
DATE: <u>26/01</u>		Class: <u> </u> Topic: <u> </u>	Class: <u> </u> Topic: <u> </u>	Class: <u> </u> Topic: <u>Republic Day</u>	Class: <u> </u> Topic: <u> </u>	Class: <u> </u> Topic: <u> </u>	Class: <u> </u> Topic: <u> </u>
FRIDAY							
DATE: <u>27/01</u>		Class: <u> </u> Topic: <u> </u>	Class: <u> </u> Topic: <u> </u>	Class: <u> </u> Topic: <u>CL</u>	Class: <u> </u> Topic: <u> </u>	Class: <u> </u> Topic: <u> </u>	Class: <u> </u> Topic: <u> </u>
SATURDAY							
DATE: <u>28/01</u>		Class: <u>B2C, B2B2-I</u> Topic: <u>Equisetum structure & Root-T.S</u>	Class: <u> </u> Topic: <u> </u>	Class: <u> </u> Topic: <u> </u>	Class: <u> </u> Topic: <u> </u>	Class: <u> </u> Topic: <u> </u>	Class: <u> </u> Topic: <u> </u>

DIARY - A. Kavitha		MONTH OF: January, 2023					
Period and Date	Time: 9:00 - 9:50 AM	Time: 9:50 - 10:40 AM	Time: 10:40 - 11:30 AM	Time: 11:30 - 12:20 PM	Time: 1:30 - 2:20 PM	Time: 2:20 - 3:10 PM	
MONDAY 30/01/2023	Class: B2C3 - I Topic: Lycopodium gametophyte	Class: Topic:	Class: Topic:	Class: Topic:	Class: B2C3 - I Topic:	Class: Topic:	
TUESDAY 31/01/23	Class: B2C3 - I Topic: Sexual reproduction in Lycopodium	Class: Topic:	Class: Topic:	Class: Topic:	Class: B2C3 - I Topic:	Class: Topic:	
WEDNESDAY 01/02	Class: B2C - I Topic: Equisetum structure & Reproductive cycle	Class: Topic:	Class: Topic:	Class: FB2C, FB2 - I Topic: Equisetum life cycle	Class: Topic:	Class: Topic:	
THURSDAY 02/02	Class: B2C - I Topic: Equisetum life cycle	Class: Topic:	Class: Topic:	Class: FB2C, FB2 - I Topic: Stela evolution in Pteridophyte	Class: Topic:	Class: Topic:	
FRIDAY 03/02	Class: Topic:	Class: Topic:	Class: Topic: C. L	Class: Topic:	Class: Topic:	Class: Topic:	
SATURDAY 04/02	Class: FB2C, FB2 - I Topic: Marsilea life cycle	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	

Principal

Ac. Co.

H.O.D.

b) Casual leaves availed 01

07

Total

MONTH OF: February, 2023

WEEKLY DIARY A. Kaviatha

Timing of the Period Day and Date	Time: 9:00 - 9:50 AM	Time: 9:50 - 10:40 AM	Time: 10:40 - 11:30 AM	Time: 11:30 - 12:20 PM	Time: 12:20 - 2:20 PM
MONDAY DATE: 06/02/2023	Class: B2C-B, B2C Topic: VI Sem Syllabus Introduction	Class: B2C-B, B2C Topic: VI Sem Syllabus Introduction	Class: B2C-A III Topic: Syllabus Intro duction	Class: B2C-A III Topic: Syllabus Intro duction	Class: B2C-A III Topic: Syllabus Intro duction
TUESDAY DATE: 07/02	Class: B2C-B-B2C Topic: VI Sem Introduction of Tissue culture	Class: B2C-A-VI Sem Topic: Sterilization tech niques in Tissue culture	Class: B2C-A III Topic: Introduction of Tissue culture	Class: B2C-A III Topic: Introduction of Tissue culture	Class: B2C-A III Topic: Introduction of Tissue culture
WEDNESDAY DATE: 08/02	Class: B2C-B-B2C Topic: VI Sem Introduction of Tissue culture	Class: B2C-A-VI Sem Topic: Sterilization tech niques in Tissue culture	Class: B2C-A III Topic: Introduction of Tissue culture	Class: B2C-A III Topic: Introduction of Tissue culture	Class: B2C-A III Topic: Introduction of Tissue culture
THURSDAY DATE: 09/02	Class: B2C-B-B2C Topic: VI Sem Introduction of Tissue culture	Class: B2C-A-VI Sem Topic: Sterilization tech niques in Tissue culture	Class: B2C-A III Topic: Introduction of Tissue culture	Class: B2C-A III Topic: Introduction of Tissue culture	Class: B2C-A III Topic: Introduction of Tissue culture
FRIDAY DATE: 10/02	Class: B2C-B-B2C Topic: VI Sem Introduction of Tissue culture	Class: B2C-A-VI Sem Topic: Sterilization tech niques in Tissue culture	Class: B2C-A III Topic: Introduction of Tissue culture	Class: B2C-A III Topic: Introduction of Tissue culture	Class: B2C-A III Topic: Introduction of Tissue culture
SATURDAY DATE: 11/02	Class: B2C-B-B2C Topic: VI Sem Introduction of Tissue culture	Class: B2C-A-VI Sem Topic: Sterilization tech niques in Tissue culture	Class: B2C-A III Topic: Introduction of Tissue culture	Class: B2C-A III Topic: Introduction of Tissue culture	Class: B2C-A III Topic: Introduction of Tissue culture

a) This week work load

08

b) Casual leaves availed

-

H.O.D.

Ac. Co.

Principal

WEEKLY DIARY

A - Kavitha

MONTH OF: February, 2023

Timing of the Period Day and Date	Time : 9:00 - 9:50 AM	Time : 9:50 - 10:40 AM	Time : 10:40 - 11:30 AM	Time : 11:30 - 12:20 AM - PM	Time : 12:20 - 2:20 PM	Time : 2:20 - 3:10 PM
MONDAY 13/02/2023	Class : B2C-B, B2C- Topic : <u>VI sem</u> sterilization Tech niques in Tissue culture	Class : Topic :	Class : B2C-A <u>Visu</u> Topic : <u>sterilization Tech</u> niques in Tissue culture	Class : Topic :	Class : Topic :	Class : Topic :
TUESDAY 14/02	Class : B2C-B, B2C- Topic : <u>VI sem</u> sterilization Tech niques in Tissue culture	Class : Topic :	Class : B2C-A <u>Visu</u> Topic : <u>composition and</u> <u>preparation of</u> <u>MS medium</u>	Class : Topic :	Class : Topic :	Class : Topic :
WEDNESDAY 15/02	Class : Topic :	Class : B2C-A <u>Visu</u> Topic : <u>Preparation of</u> <u>MS medium</u>	Class : Topic :	Class : B2C-B, B2C- Topic : <u>VI sem</u> <u>composition and</u> <u>preparation of</u> <u>MS medium</u>	Class : Topic :	Class : Topic :
THURSDAY 16/02	Class : Topic :	Class : Topic :	Class : Topic :	Class : B2C-B, B2C- Topic : <u>FS, MD - VI sem</u> <u>composition and</u> <u>preparation of</u> <u>MS medium</u>	Class : Topic :	Class : Topic :
FRIDAY 17/02	Class : Topic :	Class : Topic : <u>C.L</u>	Class : Topic : <u>C.L</u>	Class : Topic :	Class : Topic :	Class : Topic :
SATURDAY 18/02	Class : Topic :	Class : Topic : <u>Mahashivarathri</u> <u>holiday</u>	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :

Total work load

07

b) Casual leaves availed

01

H.O.D.

Ac. Co.

Principal

WEEKLY DIARY		MONTH OF: February, 2023					
Timing of the Period		Time: 9:50 - 9:50 AM	Time: 9:50 - 10:40 AM	Time: 10:40 - 11:30 AM	Time: 11:30 - 12:20 PM	Time: 12:30 - 2:20 PM	Time: 2:20 - 3:10 PM
Day and Date							
MONDAY							
DATE: 20/02/2023		Class: B2C-B, B2C Topic: <u>VI sem</u> Explanation of explant	Class: Topic: Anther culture	Class: B2C-A <u>VI sem</u> Topic: <u>Explanation of explant</u>	Class: Topic: Anther culture	Class: Topic: Anther culture	Class: Topic: Anther culture
TUESDAY							
DATE: 21/02/2023		Class: B2C-B, B2C Topic: <u>VI sem</u> Induction of callus	Class: Topic: Anther culture	Class: B2C-A <u>VI sem</u> Topic: <u>Induction of callus</u>	Class: Topic: Anther culture	Class: Topic: Anther culture	Class: Topic: Anther culture
WEDNESDAY							
DATE: 22/02/2023		Class: Topic: Anther culture	Class: B2C-A <u>VI sem</u> Topic: <u>Anther culture</u>	Class: Topic: Anther culture	Class: B2C-B, B2C Topic: <u>VI sem</u> Anther culture	Class: Topic: Anther culture	Class: Topic: Anther culture
THURSDAY							
DATE: 23/02/2023		Class: B2C, B2B2 Topic: <u>FS - II sem</u> Syllabus introduction	Class: Topic: Anther culture	Class: B2C3 - <u>II sem</u> Topic: <u>Introduction of syllabus</u>	Class: B2C, B2B2 Topic: <u>FS - II sem</u> Preparation of MS medium	Class: Topic: Anther culture	Class: Topic: Anther culture
FRIDAY							
DATE: 24/02/2023		Class: B2C, B2B2 Topic: <u>FS, ND - VI sem</u> Explanation of explant	Class: Topic: Anther culture	Class: Topic: Anther culture	Class: B2C, B2B2 Topic: <u>FS - II sem</u> Introduction of Gymnosperms	Class: Topic: Anther culture	Class: Topic: Anther culture
SATURDAY							
DATE: 25/02/2023		Class: B2C, B2B2 Topic: <u>FS, ND - VI sem</u> Induction of callus	Class: Topic: Anther culture	Class: Topic: Anther culture	Class: B2C, B2B2 Topic: <u>FS - II sem</u> Gymnosperms genera characters	Class: B2C - <u>VI sem</u> Topic: <u>Introduction of syllabus</u>	Class: Topic: Anther culture

a) This week work load 13+2=15 b) Casual leaves availed — H.O.D. DP Ac. Co. Principal

MONTH OF: March, 2023

MONTH OF: March, 2023

MONTH OF: March, 2023

Monday
20/02/2023

Time: 9:00-9:50 AM
Class: B2C-B, B2D-
Topic: VIssem
Pollen culture

Time: 9:50-10:40 AM
Class:
Topic:

Time: 10:40-11:30 AM
Class: B2C-A VIssem
Topic: Pollen culture

Time: 11:30-12:20 PM
Class:
Topic:

Time: 1:30-2:20 PM
Class: B2C-II sem
Topic: Introduction of
Gymnosperms

Time: 2:20-3:10 PM
Class:
Topic:

Tuesday
21/02/2023

Class: B2C-B, B2D
Topic: VIssem
ovary & ovule
culture

Class:
Topic:

Class: B2C-A VIssem
Topic: ovary & ovule
culture

Class:
Topic:

Class: B2C-II sem
Topic: gymnosperms
general characters

Class:
Topic:

Wednesday
22/02/2023

Class:
Topic:

Class: B2C-A VIssem
Topic: Embryo culture

Class: B2C-B, B2D
Topic: gymnosperms
general characters

Class: B2C-B, B2D
Topic: VIssem
Embryo culture

Class:
Topic:

Class:
Topic:

Thursday
23/02/2023

Class: B2C-B, B2D
Topic: F3-II sem
Gymnosperms general
characters

Class:
Topic:

Class:
Topic:

Class: B2C-B, B2D
Topic: F3-II sem
Anther culture

Class:
Topic:

Class:
Topic:

Friday
24/02/2023

Class: B2C-B, B2D
Topic: F3, ND-VIssem
Pollen culture

Class:
Topic:

Class:
Topic:

Class: B2C-B, B2D
Topic: F3-II sem
Economic importance
of gymnosperms

Class:
Topic:

Class:
Topic:

Saturday
25/02/2023

Class: B2C-B, B2D
Topic: F3, ND-VIssem
ovary & ovule
culture

Class:
Topic:

Class:
Topic:

Class: B2C-B, B2D
Topic: F3-II sem
Classification of
gymnosperms

Class:
Topic:

Class:
Topic:

Work load

15

Casual leaves availed

—

Ac. Co.

—

Principal

WEEKLY DIARY		MONTH OF: March, 2023				
Timing of the Period						
Day and Date		Time: 9:00-9:50 AM	Time: 10:40-11:30 AM	Time: 11:30-12:20 PM	Time: 1:30-2:20 PM	Time: 2:20-3:10 PM
MONDAY DATE: 06/03/2023	Class: B2C-B, B2C Topic: VI sem Organogenesis in Tissue Culture	Class: B2C-A VI sem Topic: Organogenesis in Tissue Culture		Class: B2C-B, B2C Topic: VI sem Somatoc, zygotic Embryogenesis	Class: B2C-B, B2C Topic: VI sem Somatoc, zygotic Embryogenesis	Class: B2C-B, B2C Topic: VI sem Somatoc, zygotic Embryogenesis
TUESDAY DATE: 07/03/2023	Class: B2C-B, B2C Topic: VI sem Organogenesis in Tissue Culture	Class: B2C-A VI sem Topic: Organogenesis in Tissue Culture	Class: B2C-B, B2C Topic: VI sem Somatoc, zygotic Embryogenesis	Class: B2C-B, B2C Topic: VI sem Somatoc, zygotic Embryogenesis	Class: B2C-B, B2C Topic: VI sem Somatoc, zygotic Embryogenesis	Class: B2C-B, B2C Topic: VI sem Somatoc, zygotic Embryogenesis
WEDNESDAY DATE: 08/03/2023	Class: B2C-B, B2C Topic: VI sem Organogenesis in Tissue Culture	Class: B2C-A VI sem Topic: Organogenesis in Tissue Culture	Class: B2C-B, B2C Topic: VI sem Somatoc, zygotic Embryogenesis	Class: B2C-B, B2C Topic: VI sem Somatoc, zygotic Embryogenesis	Class: B2C-B, B2C Topic: VI sem Somatoc, zygotic Embryogenesis	Class: B2C-B, B2C Topic: VI sem Somatoc, zygotic Embryogenesis
THURSDAY DATE: 09/03/2023	Class: B2C-B, B2C Topic: VI sem Organogenesis in Tissue Culture	Class: B2C-A VI sem Topic: Organogenesis in Tissue Culture	Class: B2C-B, B2C Topic: VI sem Somatoc, zygotic Embryogenesis	Class: B2C-B, B2C Topic: VI sem Somatoc, zygotic Embryogenesis	Class: B2C-B, B2C Topic: VI sem Somatoc, zygotic Embryogenesis	Class: B2C-B, B2C Topic: VI sem Somatoc, zygotic Embryogenesis
FRIDAY DATE: 10/03/2023	Class: B2C-B, B2C Topic: VI sem Organogenesis in Tissue Culture	Class: B2C-A VI sem Topic: Organogenesis in Tissue Culture	Class: B2C-B, B2C Topic: VI sem Somatoc, zygotic Embryogenesis	Class: B2C-B, B2C Topic: VI sem Somatoc, zygotic Embryogenesis	Class: B2C-B, B2C Topic: VI sem Somatoc, zygotic Embryogenesis	Class: B2C-B, B2C Topic: VI sem Somatoc, zygotic Embryogenesis
SATURDAY DATE: 11/03/2023	Class: B2C-B, B2C Topic: VI sem Organogenesis in Tissue Culture	Class: B2C-A VI sem Topic: Organogenesis in Tissue Culture	Class: B2C-B, B2C Topic: VI sem Somatoc, zygotic Embryogenesis	Class: B2C-B, B2C Topic: VI sem Somatoc, zygotic Embryogenesis	Class: B2C-B, B2C Topic: VI sem Somatoc, zygotic Embryogenesis	Class: B2C-B, B2C Topic: VI sem Somatoc, zygotic Embryogenesis

a) This week work load

12+2 = 14

b) Casual leaves availed

—

H.O.D.

Ac. Co.

Principal

WEEKLY DIARY		MONTH OF: March 2023					
Timing of the Period	Day and Date	Time : 9:00 - 9:50 AM	Time : 9:50 - 10:40 AM	Time : 10:40 - 11:30 AM	Time : 11:30 - 12:30 PM	Time : 12:30 - 2:30 PM	Time : 2:30 - 3:30 PM
MONDAY DATE : 20/03/2023	Class : B2C-B, B2C3 Topic : VI sem Enzymatic method in protoplast culture	Class : Topic :	Class : Topic :	Class : B2C-A VI sem Topic : Enzymatic method in protoplast culture	Class : Topic :	Class : B2C3 - II sem Topic : Pinus stem T-S	Class : Topic :
TUESDAY DATE : 21/03/2023	Class : B2C-B, B2C Topic : VI sem Protoplast fusion	Class : Topic :	Class : Topic :	Class : B2C-A VI sem Topic : Fusion of proto plast	Class : Topic :	Class : B2C3 - II sem Topic : Pinus stem T-S & RLs	Class : Topic :
WEDNESDAY DATE : 22/03/2023	Class : Topic :	Class : Topic :	Ugadi festival holiday		Class : Topic :	Class : Topic :	Class : Topic :
THURSDAY DATE : 23/03/2023	Class : B2C, B2B2 Topic : FS, II sem Pinus female cone structure	Class : Topic :	Class : Topic :	Class : Topic :	Class : B2B2, B2B2 Topic : FS, ND - VI sem Enzymatic method in protoplast isolation	Class : Topic :	Class : Topic :
FRIDAY DATE : 24/03/2023	Class : B2B2, B2B2 Topic : FS, ND - VI sem Fusion of proto plast	Class : Topic :	Class : Topic :	Class : Topic :	Class : B2B2, B2B2 Topic : FS - II sem Pinus male gamete phyte development	Class : Topic :	Class : Topic :
SATURDAY DATE : 25/03/2023	Class : B2B2, B2B2 Topic : FS, ND - VI sem Micropropagation	Class : Topic :	Class : Topic :	Class : Topic :	Class : B2B2, B2B2 Topic : FS - II sem Pinus female gamete topotype	Class : B2B2 - VI sem Topic : Isolation of DNA	Class : Topic :

a) This week work load 12+2=14 b) Casual leaves availed — H.O.D. [Signature] Principal [Signature] Ac. Co. [Signature]

DIARY		A. Kaviha		MONTH OF: March 2023					
Day and Date	Time	Class	Topic	Time	Class	Topic	Time	Class	Topic
MONDAY 10/03/2023	Time: 9:00 - 9:50 AM	Class: B2C-B, B2C	Topic: VI sem Micropropagation in tissue culture	Time: 10:40 - 11:30 AM	Class: B2C-A, VI sem	Topic: Micropropagation tissue culture	Time: 11:30 - 12:20 PM	Class: B2C-B, B2C	Topic: Pinus male cone structure
TUESDAY 11/03/2023	Time: 9:00 - 9:50 AM	Class: B2C-B, B2C	Topic: VI sem Introduction of Biotechnology	Time: 10:40 - 11:30 AM	Class: B2C-A, VI sem	Topic: Introduction of Biotechnology	Time: 11:30 - 12:20 PM	Class: B2C-B, B2C	Topic: Pinus female cone structure
WEDNESDAY 12/03/2023	Time: 9:00 - 9:50 AM	Class: B2C-B, B2C	Topic: VI sem Applications of Biotechnology	Time: 10:40 - 11:30 AM	Class: B2C-A, VI sem	Topic: Pinus male gametophyte development	Time: 11:30 - 12:20 PM	Class: B2C-B, B2C	Topic: Applications of Biotechnology
THURSDAY 13/03/2023	Time: 9:00 - 9:50 AM	Class: B2C-B, B2C	Topic: VI sem Sri Rama Navami Holiday	Time: 10:40 - 11:30 AM	Class: B2C-A, VI sem	Topic: Sri Rama Navami Holiday	Time: 11:30 - 12:20 PM	Class: B2C-B, B2C	Topic: Sri Rama Navami Holiday
FRIDAY 14/03/2023	Time: 9:00 - 9:50 AM	Class: B2C-B, B2C	Topic: VI sem Introduction of Biotechnology	Time: 10:40 - 11:30 AM	Class: B2C-A, VI sem	Topic: Pinus life cycle	Time: 11:30 - 12:20 PM	Class: B2C-B, B2C	Topic: Pinus life cycle
SATURDAY 15/03/2023	Time: 9:00 - 9:50 AM	Class: B2C-B, B2C	Topic: VI sem Applications of Biotechnology	Time: 10:40 - 11:30 AM	Class: B2C-A, VI sem	Topic: Gmelinum plant structure	Time: 11:30 - 12:20 PM	Class: B2C-B, B2C	Topic: Gmelinum plant structure

Work load 13

b) Casual leaves availed

1

H.O.D.

Ac. Co.

12

Principal

WEEKLY DIARY		A. Kaviyha		MONTH OF: April, 2023			
Timing of the Period	Day and Date	Time: 9:00 - 9:30 AM	Time: 9:30 - 10:40 AM	Time: 10:40 - 11:30 AM	Time: 11:30 - 12:20 PM	Time: 12:20 - 2:20 PM	Time: 2:20 - 3:30 PM
MONDAY	03/04/2023	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:
			CH				
TUESDAY	04/04/2023	Class: B2C-B. B2C- Topic: Usem Internal - I Conducted	Class: Topic:	Class: B2C-A. Usem Topic: Internal - I. Conducted	Class: Topic:	Class: B2C-B. Usem Topic: Pinus female, gametophyte	Class: Topic:
WEDNESDAY	05/04/2023	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:
			Babu Jagdhan Jayanthi		Holiday		
THURSDAY	06/04/2023	Class: Topic:	Class: Topic:	Class: Topic:	Class: B2C, B2B, Topic: F, ND - Usem Internal - I Conducted	Class: Topic:	Class: Topic:
FRIDAY	07/04/2023	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:
			Good Friday holiday				
SATURDAY	08/04/2023	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:
			SI	competitive	Exam centre		

a) This week work load

04

b) Casual leaves availed

01

H.O.D.

Ac. Co.

Principal

MONTH OF: April, 2023

A. Kavitha

Group of the Period Day and Date	Time: 8:00 - 9:30 AM	Time: 9:30 - 10:40 AM	Time: 10:40 - 11:30 AM	Time: 11:30 AM - 12:20 PM	Time: 12:20 - 2:20 PM	Time: 2:20 - 4:00 PM
MONDAY 10/04/2023	Class: B2C-B, B2C Topic: VI sem Introduction of r-DNA technology	Class: Topic:	Class: B2C-A Topic: Introduction of r-DNA technology	Class: Topic:	Class: B2C-B, B2C Topic: VI sem Introduction of r-DNA technology	Class: Topic:
TUESDAY 11/04/2023	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:
WEDNESDAY 12/04/2023	Class: Topic:	Class: B2C-A Topic: Construction of r-DNA	Class: B2C-B, B2C Topic: VI sem Introduction of r-DNA technology	Class: Topic:	Class: Topic:	Class: Topic:
THURSDAY 13/04/2023	Class: B2C-B, B2C Topic: VI sem Introduction of r-DNA technology	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:
FRIDAY 14/04/2023	Class: B2C-B, B2C Topic: VI sem Introduction of r-DNA technology	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:
SATURDAY 15/04/2023	Class: B2C-B, B2C Topic: VI sem Introduction of r-DNA technology	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:

WEEKLY DIARY		A. Kaviha		MONTH OF: April, 2023			
Timing of the Period	Day and Date	Time : 9:00 - 9:50 AM	Time : 9:50 - 10:40 AM	Time : 10:40 - 11:30 AM	Time : 11:30 - 12:20 PM	Time : 12:20 - 2:20 PM	Time : 2:20 - 3:10 PM
MONDAY DATE: 17/04/2023		Class : B2C-B, B2C-VI sem Topic : Internal -II Concluded	Class : Topic :	Class : B2C-A VI sem Topic : Internal -II Concluded	Class : Topic :	Class : B2C - II sem Topic : Gnetum vegetative characters	Class : Topic :
TUESDAY DATE: 18/04/2023		Class : B2C-B, B2C-VI sem Topic : Steps in r-DNA Technology	Class : Topic :	Class : B2C-A VI sem Topic : Steps in r-DNA Technology	Class : Topic :	Class : B2C - II sem Topic : Gnetum stem & Root T.S	Class : Topic :
WEDNESDAY DATE: 19/04/2023		Class : Topic :	Class : B2C-A VI sem Topic : Gene cloning in r-DNA technology	Class : B2C - II sem Topic : Gnetum male cone structure	Class : B2C-B, B2C-VI sem Topic : Gene cloning in r-DNA technology	Class : Topic :	Class : Topic :
THURSDAY DATE: 20/04/2023		Class : B2C, B2B2 Topic : F3 - II sem Gnetum female cone structure	Class : Topic :	Class : Topic :	Class : B2C, B2B2 Topic : F3/ND - VI sem Internal -II Concluded	Class : Topic :	Class : Topic :
FRIDAY DATE: 21/04/2023		Class : B2C, B2B2 Topic : F3/ND - VI sem Gene cloning in r-DNA technology	Class : Topic :	Class : Topic :	Class : B2C, B2B2 Topic : F3 - II sem Gnetum male & female cone anatomy	Class : Topic :	Class : Topic :
SATURDAY DATE: 22/04/2023		Class : B2C, B2B2 Topic : F3/ND - VI sem Restriction enzymes	Class : Topic :	Class : Topic :	Class : B2C, B2B2 Topic : F3 - II sem Gnetum life cycle.	Class : Topic :	Class : Topic :

MONTH OF: April, 2023

DIARY A. Kavitha

Period of the Period Day and Date	Time : 9:50 - 10:40 AM	Time : 10:40 - 11:30 AM	Time : 11:30 - 12:20 PM	Time : 1:30 - 2:20 PM	Time : 2:20 - 3:10 PM
MONDAY 24/04/2023	Class : B2C-B, B2C Topic : VI Sem Restriction enzymes	Class : B2C-A VI Sem Topic : Restriction enzymes	Class : Topic :	Class : B2C-B, B2C Topic : VI Sem PBR-322	Class : B2C-B, B2C Topic : VI Sem PBR-322
TUESDAY 25/04/2023	Class : B2C-B, B2C Topic : VI Sem DNA Ligases	Class : B2C-A VI Sem Topic : DNA Ligases	Class : Topic :	Class : B2C-B, B2C Topic : VI Sem PBR-322	Class : B2C-B, B2C Topic : VI Sem PBR-322
WEDNESDAY 26/04/2023	Class : B2C-B, B2C Topic : VI Sem Types of fossils	Class : B2C-A VI Sem Topic : Gametum like cycle	Class : Topic :	Class : B2C-B, B2C Topic : VI Sem DNA Ligases	Class : B2C-B, B2C Topic : VI Sem DNA Ligases
THURSDAY 27/04/2023	Class : B2C-B, B2C Topic : VI Sem PBR-322	Class : Topic :	Class : B2C-B, B2C Topic : VI Sem Geological Time scale	Class : B2C-B, B2C Topic : VI Sem Geological Time scale	Class : B2C-B, B2C Topic : VI Sem Geological Time scale
FRIDAY 28/04/2023	Class : B2C-B, B2C Topic : VI Sem Plasmids in rDNA technology	Class : Topic :	Class : B2C-B, B2C Topic : VI Sem Geological Time scale	Class : B2C-B, B2C Topic : VI Sem Geological Time scale	Class : B2C-B, B2C Topic : VI Sem Geological Time scale

WEEKLY DIARY - A. Kavi-Itha		MONTH OF: May, 2023					
Timing of the Period		Time : 9:00 - 9:50	Time : 10:40 - 11:30	Time : 11:30 - 12:20	Time : 1:30 - 2:20	Time : 2:20 - 3:10	
Day and Date							
MONDAY							
DATE : 01/05/2023		Class : B2C-B, B2C Topic : VI sem Plasmids & Cosmids	Class : B2C-A VI sem Topic : Plasmids & Cosmids	Class : Topic :	Class : B2C-III sem Topic : Geological Time Scale	Class : Topic :	
TUESDAY							
DATE : 02/05/2023		Class : B2C-B, B2C Topic : VI sem Cosmids & YAC	Class : B2C-A - VI sem Topic : Cosmids & YAC	Class : Topic :	Class : B2C-III sem Topic : Geological Time Scale	Class : Topic :	
WEDNESDAY							
DATE : 03/05/2023		Class : Topic :	Class : Topic : C. h.	Class : Topic :	Class : Topic :	Class : Topic :	
THURSDAY							
DATE : 04/05/2023		Class : B2C, B2B2 Topic : I-III sem Ecosystem Introduction	Class : Topic :	Class : B2C, B2B2 Topic : I-III sem Plasmids & Cosmids	Class : Topic :	Class : Topic :	
FRIDAY							
DATE : 05/05/2023		Class : B2C, B2B2 Topic : I-III sem YAC in Tissue culture	Class : Topic :	Class : B2C, B2B2 Topic : I-III sem Aerobic & Biotic Components	Class : Topic :	Class : Topic :	
SATURDAY							
DATE : 06/05/2023		Class : B2C, B2B2 Topic : I-III sem Revision	Class : Topic :	Class : B2C, B2B2 Topic : I-III sem Food chain & Food web	Class : Topic :	Class : Topic :	

a) This week work load

07

b) Casual leaves availed

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Ac. Co.

Principal

WEEKLY DIARY

A. Kavi, the

MONTH OF: May, 2023

Day and Date	Time : 9:00 - 9:50 AM	Time : 9:50 - 10:40 AM	Time : 10:40 - 11:30 AM	Time : 11:30 - 12:20 PM	Time : 12:20 - 2:20 PM	Time : 2:20 - 3:10 PM
MONDAY 08/05/2023	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : B2C3 - II sem Topic : Ecosystem Introduction	Class : Topic :
TUESDAY 09/05/2023	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : B2C3 - II sem Topic : Abiotic & biotic components	Class : Topic :
WEDNESDAY 10/05	Class : Topic :	Class : Topic : <u>CLW</u>	Class : B2C3 - II sem Topic : <u>CLW</u>	Class : Topic :	Class : Topic :	Class : Topic :
THURSDAY 11/05	Class : Topic :	Class : Topic : <u>CLW</u>	Class : Topic : <u>CLW</u>	Class : Topic :	Class : Topic :	Class : Topic :
FRIDAY 12/05	Class : B1B2C, B1B2 Topic : F3 - II sem Ecological pyramids	Class : Topic : <u>CLW</u>	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :
SATURDAY 13/05	Class : Topic :	Class : Topic : <u>CLW</u>	Class : Topic :	Class : B1B2C, B1B2 Topic : F3 - II sem Hydrophylus	Class : Topic :	Class : Topic :

Full week work load

04

b) Casual leaves availed

02

Ac. Co.

20

Principal

WEEKLY DIARY		A. Kaviyala		MONTH OF: May, 2023					
Timing of the Period		Day and Date		Time: 9:00 - 9:50	Time: 9:50 - 10:40	Time: 10:40 - 11:30	Time: 11:30 - 12:20	Time: 12:30 - 2:20	Time: 2:20 - 3:10
MONDAY	DATE: 15/05/2023	Class:	Topic:	Class:	Topic:	Class:	Topic:	Class:	Topic:
								Class: B2-C5 - II sem	Class: B2-C5 - II sem
TUESDAY	DATE: 16/05	Class:	Topic:	Class:	Topic:	Class:	Topic:	Class: B2-C5 - II sem	Class: B2-C5 - II sem
								Topic: Hydrophytes	Topic: Hydrophytes
WEDNESDAY	DATE: 17/05	Class:	Topic:	Class:	Topic:	Class:	Topic:	Class:	Topic:
THURSDAY	DATE: 18/05	Class:	Topic:	Class:	Topic:	Class:	Topic:	Class:	Topic:
FRIDAY	DATE: 19/05	Class:	Topic:	Class:	Topic:	Class:	Topic:	Class:	Topic:
SATURDAY	DATE: 20/05	Class:	Topic:	Class:	Topic:	Class:	Topic:	Class:	Topic:

a) This week work load 04 b) Casual leaves availed 0 Ac. Co. 120 Principal 120

MONTH OF: May, 2023						
Day of the Period ay and Date	Time : 9:00 - 9:50 AM	Time : 9:50 - 10:40 AM	Time : 10:40 - 11:30 AM	Time : 11:30 - 12:20 PM	Time : 12:20 - 2:20 PM	Time : 2:20 - 3:10 PM
IONDAY 22/05/2023	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : B2-C3 - II sem Topic : Xerophytes	Class : Topic :
TUESDAY 23/05/2023	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : B2-C3 - II sem Topic : Plant succession Hydroseres	Class : Topic :
WEDNESDAY 24/05	Class : Topic :	Class : Topic :	Class : B2-C3 - II sem Topic : Plant succession Xerose	Class : Topic :	Class : Topic :	Class : Topic :
THURSDAY 25/05	Class : B1-B2, B4-B5 Topic : fs - II sem Plant Succession Xerose	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic : <i>art history</i>	Class : Topic :
FRIDAY 26/05	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :
SATURDAY 27/05	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :

Principal

Ac. Co.

H.O.D.

b) Casual leaves availed

04

work load



Pg
no

VAAGDEVI DEGREE & P.G. COLLEGE

KISHANPURA, HANAMKONDA - 506 001. T.S.

TEACHING DIARY FOR THE P.G. COURSES - 117

Academic Year 2022 - 2023

Name: C. Govind Rao

Subject: Chemistry

Dept. of: Chemistry

Lecturer's I.D. No.: _____

NAME OF THE TEACHER :

C. Govind Rao

TIME TABLE

SUBJECT :

Chemistry

PERIOD	1st PERIOD AM (Time 9.00-9.50)	2nd PERIOD AM (Time 9.50-10.40)	3rd PERIOD AM (Time 10.40-11.30)	4th PERIOD AM (Time 11.30-12.20)	5th PERIOD AM (Time 1.30-2.20)	6th PERIOD AM (Time 2.20-3.10)	7th PERIOD PM (Time 3.10-4.00)
SUNDAY	III Lecture				III Lecture org practical	III Lecture org practical	
TUESDAY	III Lecture	III Lecture			III Lecture org practical	III Lecture org practical	
WEDNESDAY		III Lecture			III Lecture org practical	III Lecture org practical	
THURSDAY		III Lecture	III Lecture				
FRIDAY	III Lecture		III Lecture				
SATURDAY	III Lecture		III Lecture				

A. Sankararam
Principal
Vaagdevi Degree & P.G. College
Kishanpura, Hanamkonda

MY DIARY

MONTH OF: June

Day and Date	Time	Time	Time	Time	Time	Time
MONDAY	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:
TUESDAY	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:
WEDNESDAY	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:
THURSDAY	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:
FRIDAY	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:
SATURDAY	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:

Week work load

3/6

b) Casual leaves availed

0

H.O.D.

Ac. Co.

Principal
Vaagdevi Degree & P.G. College
Hannur, Hanur Taluk, Channarayana

WEEKLY DIARY

Date: 20/12/2019

MONTH OF

June

Timing of the Period	Time	Time	Time	Time	Time	Time
Day and Date	Time	Time	Time	Time	Time	Time
MONDAY DATE: 6/6/22	Class: Topic: 9.10 - 10.00 AM	Class: Topic: 10 - 11 AM	Class: Topic: 11 - 12 AM	Class: Topic: 12.00 - 1.00 PM	Class: Topic: 1.00 - 2.00 PM	Class: Topic: 2.00 - 3.00 PM
TUESDAY DATE: 7/6/22	Class: Topic:	Class: Topic:	Class: Topic: NP. 12.00 - 1.00 PM	Class: Topic:	Class: Topic:	Class: Topic:
WEDNESDAY DATE: 8/6/22	Class: Topic: NP flavanoids	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:
THURSDAY DATE: 9/6/22	Class: Topic: NP flavanoids	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:
FRIDAY DATE: 10/6/22	Class: Topic: NP flavanoids	Class: Topic: NP flavanoids	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:
SATURDAY DATE: 11/6/22	Class: Topic: NP flavanoids	Class: Topic: NP flavanoids	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:

a) This week work load

8 12/6 -

Sunday

b) Casual leaves availed

H.O.D.

Eg

Ac. Co.

MY DIARY

MONTH OF :

June

Day and Date	Time	Time	Time	Time	Time	Time
MONDAY	Class : Topic :	Class : Topic :	Class : Topic : NP: Planavathi	Class : Topic :	Class : Topic : NA - e week	Class : Topic : ref/d/me
8/6/22						
TUESDAY	Class : Topic : NP: Planavathi	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic : Monday, 9th	Class : Topic : ref/d/12
9/6/22						
WEDNESDAY	Class : Topic : NP: Planavathi	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic : 10/2/22	Class : Topic : ref/d/12
15/6/22						
THURSDAY	Class : Topic : NP: Planavathi	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic : 12/2/22	Class : Topic : ref/d/12
16/6/22						
FRIDAY	Class : Topic : NP: Planavathi	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic : 12/2/22	Class : Topic : ref/d/12
19/6/22						
SATURDAY	Class : Topic : NP: Planavathi	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic : 12/2/22	Class : Topic : ref/d/12
18/6/22						

Week work load 6 19/6 - Sunday by Casual leaves availed H.O.D. Ac. Co. Principal

WEEKLY DIARY

MONTH OF :

Timing of the Period Day and Date	Time	Time	Time	Time	Time
MONDAY DATE: 20/6/22	Class: 9-10 AM Topic: <u>14 km Hse</u> NO: <u>homework</u>	Class: 10-11 AM Topic: _____	Class: 11-12 AM Topic: _____	Class: 1-2 PM Topic: <u>NATC work</u>	Class: 2-3 PM Topic: _____
TUESDAY DATE: 21/6/22	Class: 9-10 AM Topic: <u>14 km Hse</u> NO: <u>homework</u>	Class: 10-11 AM Topic: _____	Class: 11-12 AM Topic: _____	Class: 1-2 PM Topic: _____	Class: 2-3 PM Topic: _____
WEDNESDAY DATE: 22/6/22	Class: 9-10 AM Topic: <u>14 km Hse</u> <u>Mathematical</u> <u>NER</u>	Class: 10-11 AM Topic: _____	Class: 11-12 AM Topic: _____	Class: 1-2 PM Topic: _____	Class: 2-3 PM Topic: _____
THURSDAY DATE: 23/6/22	Class: 9-10 AM Topic: <u>14 km Hse</u> <u>Mathematical</u> <u>NER</u>	Class: 10-11 AM Topic: _____	Class: 11-12 AM Topic: _____	Class: 1-2 PM Topic: _____	Class: 2-3 PM Topic: _____
FRIDAY DATE: 24/6/22	Class: 9-10 AM Topic: _____	Class: 10-11 AM Topic: _____	Class: 11-12 AM Topic: _____	Class: 1-2 PM Topic: _____	Class: 2-3 PM Topic: _____
SATURDAY DATE: 25/6/22	Class: 9-10 AM Topic: _____	Class: 10-11 AM Topic: _____	Class: 11-12 AM Topic: _____	Class: 1-2 PM Topic: _____	Class: 2-3 PM Topic: _____

a) This week work load

4 26/6 - Sunday

b) Casual leaves availed

CG

H.O.D.

Ac. Co.

WEEKLY DIARY		MONTH OF: <u>July</u>									
Timing of the Period	Day and Date	Time	Time	Time	Time	Time	Time	Time	Time	Time	Time
MONDAY	DATE: <u>04/7/22</u>	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:
TUESDAY	DATE: <u>05/7/22</u>	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:
WEDNESDAY	DATE: <u>06/7/22</u>	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:
THURSDAY	DATE: <u>07/7/22</u>	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:
FRIDAY	DATE: <u>08/7/22</u>	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:
SATURDAY	DATE: <u>09/7/22</u>	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:

a) This week work load

0 10/7/22 Monday

b) Casual leaves availed

1

H.O.D.

Ac. Co.

Print

Date of the Period		Time		Time		Time		Time		Time		Time	
Date and Date		Time		Time		Time		Time		Time		Time	
MONDAY	25/7/22	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:
TUESDAY	26/7/22	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:
WEDNESDAY	27/7/22	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:
THURSDAY	28/7/22	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:
FRIDAY	29/7/22	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:
SATURDAY	30/7/22	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:
<div> <div> <div>31/7/22</div> <div>31/7/22</div> </div> <div> <div>31/7/22</div> <div>31/7/22</div> </div> </div>													

work load

W

b) Casual leaves availed

H.O.D.

Ac. Co.

Principal

WEEKLY DIARY

MONTH OF :

August

Timing of the Period Day and Date	Time	Time	Time	Time	Time
MONDAY DATE: 1/8/2022	Class: Topic: 9.00 to 9.50 AM	Class: Topic: 10-10.50 AM	Class: Topic: 11.00 AM to 12.00 PM	Class: Topic: 2nd Intermid	Class: Topic: 2nd Intermid
TUESDAY DATE: 2/8/2022	Class: Topic: 9.00 to 9.50 AM	Class: Topic: 10-10.50 AM	Class: Topic: 11.00 AM to 12.00 PM	Class: Topic: 2nd Intermid	Class: Topic: 2nd Intermid
WEDNESDAY DATE: 3/8/2022	Class: Topic: 9.00 to 9.50 AM	Class: Topic: 10-10.50 AM	Class: Topic: 11.00 AM to 12.00 PM	Class: Topic: 2nd Intermid	Class: Topic: 2nd Intermid
THURSDAY DATE: 4/8/2022	Class: Topic: 9.00 to 9.50 AM	Class: Topic: 10-10.50 AM	Class: Topic: 11.00 AM to 12.00 PM	Class: Topic: 2nd Intermid	Class: Topic: 2nd Intermid
FRIDAY DATE: 5/8/22	Class: Topic: 9.00 to 9.50 AM	Class: Topic: 10-10.50 AM	Class: Topic: 11.00 AM to 12.00 PM	Class: Topic: 2nd Intermid	Class: Topic: 2nd Intermid
SATURDAY DATE: 6/8/22	Class: Topic: 9.00 to 9.50 AM	Class: Topic: 10-10.50 AM	Class: Topic: 11.00 AM to 12.00 PM	Class: Topic: 2nd Intermid	Class: Topic: 2nd Intermid

a) This week work load 2

b) Casual leaves availed 1

H.O.D.

Ac. Co.

Print

DIARY

Page No. _____

MONTH OF :

August

of the Period and Date	Time	Time	Time	Time	Time	Time
MONDAY 12/8/22	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic : <u>NAC week</u>	Class : Topic :
TUESDAY 13/8/22	Class : Topic :	Class : Topic :	Class : Topic : <u>Mohammed Holiday</u>	Class : Topic : <u>NAC week</u>	Class : Topic :	Class : Topic :
WEDNESDAY 14/8/22	Class : Topic :	Class : Topic : <u>11th Gen Hx</u> <u>Mass Spectra</u> <u>alpha effect</u>	Class : Topic :	Class : Topic : <u>NAC week</u>	Class : Topic : <u>NAC week</u>	Class : Topic :
THURSDAY 15/8/22	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic : <u>NAC week</u>	Class : Topic : <u>NAC week</u>	Class : Topic :
FRIDAY 16/8/22	Class : Topic :	Class : Topic :	Class : Topic : <u>Rakhi Purnima</u>	Class : Topic : <u>holiday</u>	Class : Topic :	Class : Topic :
SATURDAY 17/8/22	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :

Week work load _____

b) Casual leaves availed _____

H.O.D.

Ac. Co.

Principal

WEEKLY DIARY		MONTH OF : <u>August</u>							
Timing of the Period		Time		Time		Time		Time	
Day and Date		Time		Time		Time		Time	
MONDAY DATE : <u>15/8/22</u>	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :
TUESDAY DATE : <u>16/8/22</u>	Class : Topic :	Class : <u>11th Gen M.Sc</u> Topic : <u>Internal Exam prep 1</u>	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :
WEDNESDAY DATE : <u>17/8/22</u>	Class : Topic :	Class : <u>11th Gen M.Sc</u> Topic : <u>Internal Exam prep - 2</u>	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :
THURSDAY DATE : <u>18/8/22</u>	Class : Topic :	Class : <u>11th Gen M.Sc</u> Topic : <u>Internal prep - 3</u>	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :
FRIDAY DATE : <u>19/8/22</u>	Class : Topic :	Class : <u>11th Gen M.Sc</u> Topic : <u>Internal prep - 4</u>	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :
SATURDAY DATE : <u>20/8/22</u>	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :

a) This week work load 0 2/8

b) Casual leaves availed —

H.O.D. [Signature]

Ac. Co. [Signature]

Principal [Signature]

WEEKLY DIARY				MONTH OF : <u>August/Sept</u>			
Timing of the Period		Time	Time	Time	Time	Time	Time
Day and Date							
MONDAY DATE : <u>29/8/22</u>		Class : Topic :	Class : Topic :	Class : Topic : <u>Ilum Me</u>	Class : Topic : <u>Systemic completed</u>	Class : Topic :	Class : Topic :
TUESDAY DATE : <u>30/8/22</u>		Class : Topic :	Class : Topic : <u>Ilum</u>	Class : Topic : <u>"</u>	Class : Topic :	Class : Topic :	Class : Topic :
WEDNESDAY DATE : <u>31/8/22</u>		Class : Topic :	Class : Topic : <u>Vineyaka</u>	Class : Topic : <u>Chanthu</u>	Class : Topic : <u>Today</u>	Class : Topic :	Class : Topic :
THURSDAY DATE : <u>01/9/22</u>		Class : Topic : <u>Ilum</u>	Class : Topic :	Class : Topic : <u>PG Systemic</u>	Class : Topic : <u>completed</u>	Class : Topic :	Class : Topic :
FRIDAY DATE : <u>02/9/22</u>		Class : Topic : <u>Ilum</u>	Class : Topic : <u>Ilum</u>	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :
SATURDAY DATE : <u>03/9/22</u>		Class : Topic : <u>Ilum</u>	Class : Topic : <u>Ilum</u>	Class : Topic : <u>Ilum</u>	Class : Topic : <u>Exam prepared</u>	Class : Topic : <u>pg-1</u>	Class : Topic :

a) This week work load 0

8419

b) Casual leaves availed

H.O.D.

Ac. Co.

Principle

WEEKLY DIARY				MONTH OF : <u>Sept</u>			
Timing of the Period	Time	Time	Time	Time	Time	Time	Time
Day and Date	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :
MONDAY 12/9		IV	Class : Topic : MSc	Class : Topic : pap-IV	Class : Topic : external	Class : Topic :	Class : Topic :
TUESDAY 13/9	Class : Topic :	II	Class : Topic : Msc	Class : Topic : pap-I	Class : Topic : external	Class : Topic :	Class : Topic :
WEDNESDAY 14/9	Class : Topic :		Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :
THURSDAY 15/9	Class : Topic :	II	Class : Topic : Msc	Class : Topic : pap-II	Class : Topic : external	Class : Topic :	Class : Topic :
FRIDAY 16/9	Class : Topic :	Drunk	Class : Topic :	Class : Topic : MSc	Class : Topic :	Class : Topic :	Class : Topic :
SATURDAY 17/9	Class : Topic :	II	Class : Topic : Msc	Class : Topic : pap-III	Class : Topic : external	Class : Topic :	Class : Topic :

a) This week work load _____

b) Casual leaves availed _____

H.O.D.

Ac. Co.

Pri

Day and Date		Time		Time		Time		Time		Time		MONTH OF : <u>Sep/Oct</u>	
MONDAY		Class : Topic :		Class : Topic :		Class : Topic :		Class : Topic :		Class : Topic :			
DATE : <u>28/9</u>		<u>C. V. ...</u>		<u>C. V. ...</u>		<u>C. V. ...</u>		<u>C. V. ...</u>		<u>C. V. ...</u>			
TUESDAY		Class : Topic :		Class : Topic :		Class : Topic :		Class : Topic :		Class : Topic :			
DATE : <u>29/9</u>		<u>C. V. ...</u>		<u>C. V. ...</u>		<u>C. V. ...</u>		<u>C. V. ...</u>		<u>C. V. ...</u>			
WEDNESDAY		Class : Topic :		Class : Topic :		Class : Topic :		Class : Topic :		Class : Topic :			
DATE : <u>28/9</u>		<u>C. V. ...</u>		<u>C. V. ...</u>		<u>C. V. ...</u>		<u>C. V. ...</u>		<u>C. V. ...</u>			
THURSDAY		Class : Topic :		Class : Topic :		Class : Topic :		Class : Topic :		Class : Topic :			
DATE : <u>29/9</u>		<u>C. V. ...</u>		<u>C. V. ...</u>		<u>C. V. ...</u>		<u>C. V. ...</u>		<u>C. V. ...</u>			
FRIDAY		Class : Topic :		Class : Topic :		Class : Topic :		Class : Topic :		Class : Topic :			
DATE : <u>30/9</u>		<u>C. V. ...</u>		<u>C. V. ...</u>		<u>C. V. ...</u>		<u>C. V. ...</u>		<u>C. V. ...</u>			
SATURDAY		Class : Topic :		Class : Topic :		Class : Topic :		Class : Topic :		Class : Topic :			
DATE : <u>1/10</u>		<u>C. V. ...</u>		<u>C. V. ...</u>		<u>C. V. ...</u>		<u>C. V. ...</u>		<u>C. V. ...</u>			

a) This week work load 2110 Sunday

b) Casual leaves availed 1

H.O.D. [Signature]

Ac. Co. [Signature]

Principal [Signature]

Day of the Period Day and Date	Time	Class : Topic :	Time	Class : Topic :	Time	Class : Topic :	Time	Class : Topic :	Time	Class : Topic :
MONDAY	9.50-11.50 AM	Class : Topic :	10-11.50 AM	Class : Topic :		Class : Topic :		Class : Topic :		Class : Topic :
TUESDAY	11.00 → 11.50-1.50 PM Introduction	Class : Topic :		Class : Topic :		Class : Topic :		Class : Topic :		Class : Topic :
WEDNESDAY	11.00	Class : Topic :		Class : Topic :		Class : Topic :		Class : Topic :		Class : Topic :
THURSDAY	11.00	Class : Topic :		Class : Topic :		Class : Topic :		Class : Topic :		Class : Topic :
FRIDAY	11.00	Class : Topic :		Class : Topic :		Class : Topic :		Class : Topic :		Class : Topic :
SATURDAY	11.00	Class : Topic :		Class : Topic :		Class : Topic :		Class : Topic :		Class : Topic :

Week work load 4 b) Casual leaves availed 1 H.O.D. Ac. Co. Principal

ing of the Period Day and Date	Time	Class: Topic:	Time	Class: Topic:	Time	Class: Topic:	Time	Class: Topic:	Time	Class: Topic:	Time	Class: Topic:
MONDAY 24/11/22	9.00 to 9.50 Am	Class: Topic:	10.00 to 10.50 Am	Class: Topic:	10.50 to 11.30 Am	Class: Topic:	1.30 to 2.00 Pm	Class: Topic:	4.00 to 4.30 Pm	Class: Topic:	Time	Class: Topic:
TUESDAY 25/11/22	Class: Topic: <u>11/11/22</u> <u>Exposition of text</u>	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:
WEDNESDAY 26/11/22	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:
THURSDAY 27/11/22	Class: Topic:	Class: Topic: <u>11/11/22</u> <u>Exposition of text</u>	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:
FRIDAY 28/11/22	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:
SATURDAY 29/11/22	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:

Week work load 4 + 12 = 16

b) Casual leaves availed

20/11

H.O.D. [Signature]

Ac. Co. [Signature]

Principal [Signature]

Day and Date	Time	Time	Time	Time	Time	Time
MONDAY 20/11	Class : III Science Topic : 242 CH	Class : Topic :	Class : Topic :	Class : III Science Topic : Beg. min. analysis	Class : Topic :	Class : Topic :
TUESDAY 21/11	Class : III Science Topic : 442 CH	Class : Topic :	Class : Topic :	Class : III Science Topic : Eng. min. analysis	Class : Topic :	Class : Topic :
WEDNESDAY 20/11	Class : Topic :	Class : Topic :	Class : Topic :	Class : III Science Topic : No. slides	Class : Topic :	Class : Topic :
THURSDAY 1/12/22	Class : III Science Topic : 442 CH	Class : Topic :	Class : Topic :	Class : III Science Topic : Beg. min. analysis	Class : Topic :	Class : Topic :
FRIDAY 1/12/22	Class : III Science Topic : (B) SRA	Class : Topic :	Class : Topic :	Class : III Science Topic : Beg. min. analysis	Class : Topic :	Class : Topic :
SATURDAY 3/12/22	Class : III Science Topic : (1,4) SRA	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :

Week work load 5#15 220

b) Casual leaves availed

H.O.D.

Ac. Co.

Principal

WEEKLY DIARY

MONTH OF:

Dec

Timing of the Period	Time	Time	Time	Time	Time	Time
Day and Date	Time 9:00 to 9:50 AM	Time 10:00 to 10:50 AM	Time 1:00 to 1:50 PM	Time 2:00 to 2:50 PM	Time 3:00 to 3:50 PM	Time 4:00 to 4:50 PM
MONDAY DATE: 5/12	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:
TUESDAY DATE: 6/12	Class: III Semester Topic: <u>Practical</u>	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:
WEDNESDAY DATE: 7/12	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:
THURSDAY DATE: 8/12	Class: Topic:	Class: III Semester Topic: <u>Practical</u>	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:
FRIDAY DATE: 9/12	Class: III Semester Topic: <u>Practical</u>	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:
SATURDAY DATE: 10/12	Class: III Semester Topic: <u>Practical</u>	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:

a) This week work load

44 hrs 11/12

b) Casual leaves availed

H.O.D. CAAc. Co. 21/12

Pri

Period	Time	Time	Time	Time	Time	Time
MONDAY	9.00 - 9.50 AM Class: <u>1 Sample</u> Topic: <u>Protein synthesis</u>	10.00 - 10.50 AM Class: <u>1 Sample</u> Topic: <u>Protein synthesis</u>	Class: <u>1 Sample</u> Topic: <u>Protein synthesis</u>	Class: <u>1 Sample</u> Topic: <u>Protein synthesis</u>	Class: <u>1 Sample</u> Topic: <u>Protein synthesis</u>	Class: <u>1 Sample</u> Topic: <u>Protein synthesis</u>
TUESDAY	9.00 - 9.50 AM Class: <u>1 Sample</u> Topic: <u>Nicotine</u>	10.00 - 10.50 AM Class: <u>1 Sample</u> Topic: <u>Protein synthesis</u>	Class: <u>1 Sample</u> Topic: <u>Protein synthesis</u>	Class: <u>1 Sample</u> Topic: <u>Protein synthesis</u>	Class: <u>1 Sample</u> Topic: <u>Protein synthesis</u>	Class: <u>1 Sample</u> Topic: <u>Protein synthesis</u>
WEDNESDAY	9.00 - 9.50 AM Class: <u>1 Sample</u> Topic: <u>Nicotine</u>	10.00 - 10.50 AM Class: <u>1 Sample</u> Topic: <u>Protein synthesis</u>	Class: <u>1 Sample</u> Topic: <u>Protein synthesis</u>	Class: <u>1 Sample</u> Topic: <u>Protein synthesis</u>	Class: <u>1 Sample</u> Topic: <u>Protein synthesis</u>	Class: <u>1 Sample</u> Topic: <u>Protein synthesis</u>
THURSDAY	9.00 - 9.50 AM Class: <u>1 Sample</u> Topic: <u>Nicotine</u>	10.00 - 10.50 AM Class: <u>1 Sample</u> Topic: <u>Protein synthesis</u>	Class: <u>1 Sample</u> Topic: <u>Protein synthesis</u>	Class: <u>1 Sample</u> Topic: <u>Protein synthesis</u>	Class: <u>1 Sample</u> Topic: <u>Protein synthesis</u>	Class: <u>1 Sample</u> Topic: <u>Protein synthesis</u>
FRIDAY	9.00 - 9.50 AM Class: <u>1 Sample</u> Topic: <u>Nicotine</u>	10.00 - 10.50 AM Class: <u>1 Sample</u> Topic: <u>Protein synthesis</u>	Class: <u>1 Sample</u> Topic: <u>Protein synthesis</u>	Class: <u>1 Sample</u> Topic: <u>Protein synthesis</u>	Class: <u>1 Sample</u> Topic: <u>Protein synthesis</u>	Class: <u>1 Sample</u> Topic: <u>Protein synthesis</u>
SATURDAY	9.00 - 9.50 AM Class: <u>1 Sample</u> Topic: <u>Nicotine</u>	10.00 - 10.50 AM Class: <u>1 Sample</u> Topic: <u>Protein synthesis</u>	Class: <u>1 Sample</u> Topic: <u>Protein synthesis</u>	Class: <u>1 Sample</u> Topic: <u>Protein synthesis</u>	Class: <u>1 Sample</u> Topic: <u>Protein synthesis</u>	Class: <u>1 Sample</u> Topic: <u>Protein synthesis</u>

Week work load 2

b) Casual leaves availed 1

H.O.D. Sat

Ac. Co. 1

Principal Sat

Date of the Period		Time		Time		Time		Time		Time	
WEDNESDAY	9/1/25	Class: <u>Memorise</u> Topic: <u>medicines</u>	Class: <u>Memorise</u> Topic: <u>medicines</u>	Class: <u>Memorise</u> Topic: <u>medicines</u>	Class: <u>Memorise</u> Topic: <u>medicines</u>	Class: <u>Memorise</u> Topic: <u>medicines</u>	Class: <u>Memorise</u> Topic: <u>medicines</u>	Class: <u>Memorise</u> Topic: <u>medicines</u>	Class: <u>Memorise</u> Topic: <u>medicines</u>	Class: <u>Memorise</u> Topic: <u>medicines</u>	Class: <u>Memorise</u> Topic: <u>medicines</u>
THURSDAY	10/1/25	Class: <u>Memorise</u> Topic: <u>medicines</u>	Class: <u>Memorise</u> Topic: <u>medicines</u>	Class: <u>Memorise</u> Topic: <u>medicines</u>	Class: <u>Memorise</u> Topic: <u>medicines</u>	Class: <u>Memorise</u> Topic: <u>medicines</u>	Class: <u>Memorise</u> Topic: <u>medicines</u>	Class: <u>Memorise</u> Topic: <u>medicines</u>	Class: <u>Memorise</u> Topic: <u>medicines</u>	Class: <u>Memorise</u> Topic: <u>medicines</u>	Class: <u>Memorise</u> Topic: <u>medicines</u>
FRIDAY	11/1/25	Class: <u>Memorise</u> Topic: <u>medicines</u>	Class: <u>Memorise</u> Topic: <u>medicines</u>	Class: <u>Memorise</u> Topic: <u>medicines</u>	Class: <u>Memorise</u> Topic: <u>medicines</u>	Class: <u>Memorise</u> Topic: <u>medicines</u>	Class: <u>Memorise</u> Topic: <u>medicines</u>	Class: <u>Memorise</u> Topic: <u>medicines</u>	Class: <u>Memorise</u> Topic: <u>medicines</u>	Class: <u>Memorise</u> Topic: <u>medicines</u>	Class: <u>Memorise</u> Topic: <u>medicines</u>
SATURDAY	12/1/25	Class: <u>Memorise</u> Topic: <u>medicines</u>	Class: <u>Memorise</u> Topic: <u>medicines</u>	Class: <u>Memorise</u> Topic: <u>medicines</u>	Class: <u>Memorise</u> Topic: <u>medicines</u>	Class: <u>Memorise</u> Topic: <u>medicines</u>	Class: <u>Memorise</u> Topic: <u>medicines</u>	Class: <u>Memorise</u> Topic: <u>medicines</u>	Class: <u>Memorise</u> Topic: <u>medicines</u>	Class: <u>Memorise</u> Topic: <u>medicines</u>	Class: <u>Memorise</u> Topic: <u>medicines</u>
SUNDAY	13/1/25	Class: <u>Memorise</u> Topic: <u>medicines</u>	Class: <u>Memorise</u> Topic: <u>medicines</u>	Class: <u>Memorise</u> Topic: <u>medicines</u>	Class: <u>Memorise</u> Topic: <u>medicines</u>	Class: <u>Memorise</u> Topic: <u>medicines</u>	Class: <u>Memorise</u> Topic: <u>medicines</u>	Class: <u>Memorise</u> Topic: <u>medicines</u>	Class: <u>Memorise</u> Topic: <u>medicines</u>	Class: <u>Memorise</u> Topic: <u>medicines</u>	Class: <u>Memorise</u> Topic: <u>medicines</u>

Week work load 2 b) Casual leaves availed H.O.D. Ac. Co. Principal

KLY DIARY

MONTH OF :

January

ing of the Period Day and Date	Time	Time	Time	Time	Time	Time
MONDAY	Class : Topic : 23/1/23 → Atropine	Class : Topic : 9.50 - 10.40 AM 11.00 AM → Atropine Nerve - Saxon	Class : Topic : 10.40 - 11.30 AM → Atropine	Class : Topic : 11.30 - 12.20 PM → Atropine	Class : Topic : 12.20 - 1.10 PM → Atropine	Class : Topic : 1.10 - 2.00 PM → Atropine
TUESDAY	Class : Topic : 24/1/23 → Atropine	Class : Topic : 9.50 - 10.40 AM 11.00 AM → Atropine	Class : Topic : 10.40 - 11.30 AM → Atropine	Class : Topic : 11.30 - 12.20 PM → Atropine	Class : Topic : 12.20 - 1.10 PM → Atropine	Class : Topic : 1.10 - 2.00 PM → Atropine
WEDNESDAY	Class : Topic : 25/1/23 → Atropine	Class : Topic : 9.50 - 10.40 AM 11.00 AM → Atropine	Class : Topic : 10.40 - 11.30 AM → Atropine	Class : Topic : 11.30 - 12.20 PM → Atropine	Class : Topic : 12.20 - 1.10 PM → Atropine	Class : Topic : 1.10 - 2.00 PM → Atropine
THURSDAY	Class : Topic : 26/1/23 → Atropine	Class : Topic : 9.50 - 10.40 AM 11.00 AM → Atropine	Class : Topic : 10.40 - 11.30 AM → Atropine	Class : Topic : 11.30 - 12.20 PM → Atropine	Class : Topic : 12.20 - 1.10 PM → Atropine	Class : Topic : 1.10 - 2.00 PM → Atropine
FRIDAY	Class : Topic : 27/1/23 → Atropine	Class : Topic : 9.50 - 10.40 AM 11.00 AM → Atropine	Class : Topic : 10.40 - 11.30 AM → Atropine	Class : Topic : 11.30 - 12.20 PM → Atropine	Class : Topic : 12.20 - 1.10 PM → Atropine	Class : Topic : 1.10 - 2.00 PM → Atropine
SATURDAY	Class : Topic : 28/1/23 → Atropine	Class : Topic : 9.50 - 10.40 AM 11.00 AM → Atropine	Class : Topic : 10.40 - 11.30 AM → Atropine	Class : Topic : 11.30 - 12.20 PM → Atropine	Class : Topic : 12.20 - 1.10 PM → Atropine	Class : Topic : 1.10 - 2.00 PM → Atropine

This week work load

5

b) Casual leaves availed

0

H.O.D.

Ac. Co.

Principal

Day and Date	Time 3.0 - 9.50 AM	Time 9.50 - 10.40 AM	Time 10.40 - 11.30 AM	Time 11.30 - 12.20 PM	Time 12.20 - 1.10 PM	Time 1.10 - 2.00 PM
MONDAY DATE: 30/11/23 Class: <u>1st Year</u> Topic: <u>Separation of mixtures</u>	Class: <u>1st Year</u> Topic: <u>Separation of mixtures</u>	Class: <u>1st Year</u> Topic: <u>Separation of mixtures</u>	Class: <u>1st Year</u> Topic: <u>Separation of mixtures</u>	Class: <u>1st Year</u> Topic: <u>Separation of mixtures</u>	Class: <u>1st Year</u> Topic: <u>Separation of mixtures</u>	Class: <u>1st Year</u> Topic: <u>Separation of mixtures</u>
TUESDAY DATE: 31/11/23 Class: <u>1st Year</u> Topic: <u>Workshop</u>	Class: <u>1st Year</u> Topic: <u>Workshop</u>	Class: <u>1st Year</u> Topic: <u>Workshop</u>	Class: <u>1st Year</u> Topic: <u>Workshop</u>	Class: <u>1st Year</u> Topic: <u>Workshop</u>	Class: <u>1st Year</u> Topic: <u>Workshop</u>	Class: <u>1st Year</u> Topic: <u>Workshop</u>
WEDNESDAY DATE: 01/12/23 Class: <u>1st Year</u> Topic: <u>Workshop</u>	Class: <u>1st Year</u> Topic: <u>Workshop</u>	Class: <u>1st Year</u> Topic: <u>Workshop</u>	Class: <u>1st Year</u> Topic: <u>Workshop</u>	Class: <u>1st Year</u> Topic: <u>Workshop</u>	Class: <u>1st Year</u> Topic: <u>Workshop</u>	Class: <u>1st Year</u> Topic: <u>Workshop</u>
THURSDAY DATE: 02/12/23 Class: <u>1st Year</u> Topic: <u>Workshop</u>	Class: <u>1st Year</u> Topic: <u>Workshop</u>	Class: <u>1st Year</u> Topic: <u>Workshop</u>	Class: <u>1st Year</u> Topic: <u>Workshop</u>	Class: <u>1st Year</u> Topic: <u>Workshop</u>	Class: <u>1st Year</u> Topic: <u>Workshop</u>	Class: <u>1st Year</u> Topic: <u>Workshop</u>
FRIDAY DATE: 03/12/23 Class: <u>1st Year</u> Topic: <u>Workshop</u>	Class: <u>1st Year</u> Topic: <u>Workshop</u>	Class: <u>1st Year</u> Topic: <u>Workshop</u>	Class: <u>1st Year</u> Topic: <u>Workshop</u>	Class: <u>1st Year</u> Topic: <u>Workshop</u>	Class: <u>1st Year</u> Topic: <u>Workshop</u>	Class: <u>1st Year</u> Topic: <u>Workshop</u>
SATURDAY DATE: 04/12/23 Class: <u>1st Year</u> Topic: <u>Workshop</u>	Class: <u>1st Year</u> Topic: <u>Workshop</u>	Class: <u>1st Year</u> Topic: <u>Workshop</u>	Class: <u>1st Year</u> Topic: <u>Workshop</u>	Class: <u>1st Year</u> Topic: <u>Workshop</u>	Class: <u>1st Year</u> Topic: <u>Workshop</u>	Class: <u>1st Year</u> Topic: <u>Workshop</u>

a) This week work load 14 b) Casual leaves availed 05/12

H.O.D. _____ Ac. Co. _____

WEEKLY DIARY					MONTH OF : February				
Timing of the Period	Time	Time	Time	Time	Time	Time	Time	Time	Time
Day and Date									
MONDAY DATE : 13/2/23 Class : <u>Science</u> Topic : <u>Chromosomes</u>	8.50 - 9.50 AM → <u>Chromosomes</u>								
TUESDAY DATE : 14/2/23 Class : Topic :									
WEDNESDAY DATE : 15/2/23 Class : Topic :									
THURSDAY DATE : 16/2/23 Class : Topic :									
FRIDAY DATE : 17/2/23 Class : Topic :									
SATURDAY DATE : 18/2/23 Class : Topic :									

a) This week work load 2

b) Casual leaves availed 19/2 Sunday

H.O.D. [Signature]

Ac. Co. [Signature]

Pri

WEEKLY DIARY		MONTH OF : <u>February</u>					
Timing of the Period	Day and Date	Time	Time	Time	Time	Time	Time
MONDAY DATE : <u>28/2/23</u>	Class : <u>Structure</u> Topic : <u>Open & open splitting</u>						
TUESDAY DATE : <u>28/2/23</u>	Class : <u>accr</u> Topic :						
WEDNESDAY DATE : <u>01/3/23</u>	Class : Topic :	Class : Topic : <u>Structure</u>	Class : Topic : <u>Structure</u>	Class : Topic : <u>Structure</u>	Class : Topic : <u>Structure</u>	Class : Topic : <u>Structure</u>	Class : Topic : <u>Structure</u>
THURSDAY DATE : <u>02/3/23</u>	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :
FRIDAY DATE : <u>03/3/23</u>	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :
SATURDAY DATE : <u>04/3/23</u>	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :

a) This week work load 1

b) Casual leaves availed _____

H.O.D.

Ac. Co.

2

Pr

KEY DIARY

MONTH OF :

March

ing of the Period Day and Date	Time	Class : Topic :	Time	Class : Topic :	Time	Class : Topic :	Time	Class : Topic :	Time	Class : Topic :
MONDAY 6/3/23	9.00 - 9.50 AM	Class : Topic :	9.50 - 10.40 AM	Class : Topic :	Time	Class : Topic :	Time	Class : Topic :	Time	Class : Topic :
TUESDAY 7/3/23	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic : Holi Holiday	Class : Topic : Holi Holiday	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :
WEDNESDAY 8/3/23	Class : Topic : Introduction	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic : Holi Holiday	Class : Topic : Holi Holiday	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :
THURSDAY 9/3/23	Class : Topic : from introduction	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic : Holi Holiday	Class : Topic : Holi Holiday	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :
FRIDAY 10/3/23	Class : Topic :	Class : Topic : homework	Class : Topic : homework	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :
SATURDAY 11/3/23	Class : Topic :	Class : Topic : No students	Class : Topic : No students	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :

his week work load

4

b) Casual leaves availed

H.O.D.

Ac. Co.

Principal

KLY DIARY

MONTH OF :

April

ing of the Period Day and Date	Time	Time	Time	Time	Time	Time
MONDAY 03/4/23	Class : Topic : 9.00 - 9.45 N Gaurha Religious	Class : Topic : 9.45 - 10.30 N Gaurha Religious	Class : Topic : 10.30 - 11.15 N Gaurha Religious	Class : Topic : 11.15 - 12.00 N Gaurha Religious	Class : Topic : 12.00 - 12.45 N Gaurha Religious	Class : Topic : 12.45 - 1.30 N Gaurha Religious
TUESDAY 04/4/23	Class : Topic : N Gaurha Delphoban	Class : Topic : N Gaurha Delphoban	Class : Topic : N Gaurha Delphoban	Class : Topic : N Gaurha Delphoban	Class : Topic : N Gaurha Delphoban	Class : Topic : N Gaurha Delphoban
WEDNESDAY 05/4/23	Class : Topic : N Gaurha Delphoban	Class : Topic : N Gaurha Delphoban	Class : Topic : N Gaurha Delphoban	Class : Topic : N Gaurha Delphoban	Class : Topic : N Gaurha Delphoban	Class : Topic : N Gaurha Delphoban
THURSDAY 06/4/23	Class : Topic : N Gaurha Delphoban	Class : Topic : N Gaurha Delphoban	Class : Topic : N Gaurha Delphoban	Class : Topic : N Gaurha Delphoban	Class : Topic : N Gaurha Delphoban	Class : Topic : N Gaurha Delphoban
FRIDAY 07/4/23	Class : Topic : N Gaurha Delphoban	Class : Topic : N Gaurha Delphoban	Class : Topic : N Gaurha Delphoban	Class : Topic : N Gaurha Delphoban	Class : Topic : N Gaurha Delphoban	Class : Topic : N Gaurha Delphoban
SATURDAY 08/4/23	Class : Topic : N Gaurha Delphoban	Class : Topic : N Gaurha Delphoban	Class : Topic : N Gaurha Delphoban	Class : Topic : N Gaurha Delphoban	Class : Topic : N Gaurha Delphoban	Class : Topic : N Gaurha Delphoban

Week work load 786:9

b) Casual leaves availed

H.O.D.

Ac. Co.

Principal

WEEKLY DIARY				MONTH OF : April			
Timing of the Period	Time	Time	Time	Time	Time	Time	Time
Day and Date	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :
MONDAY DATE : 10/4/23	Class : Topic :	Class : Topic : <u>Geophysics</u>	Class : Topic :	Class : Topic : <u>Prep of Antipyrone</u>	Class : Topic : <u>Antipyrone</u>	Class : Topic :	Class : Topic :
TUESDAY DATE : 11/4/23	Class : Topic :	Class : Topic : <u>Handwritten</u>	Class : Topic :	Class : Topic : <u>Isolation of hydropone</u>	Class : Topic :	Class : Topic :	Class : Topic :
WEDNESDAY DATE : 12/4/23	Class : Topic : <u>Handwritten</u>	Class : Topic : <u>Handwritten</u>	Class : Topic :	Class : Topic : <u>Estimation of glucose</u>	Class : Topic :	Class : Topic :	Class : Topic :
THURSDAY DATE : 13/4/23	Class : Topic : <u>Handwritten</u>	Class : Topic : <u>Handwritten A1</u>	Class : Topic :	Class : Topic : <u>Estimation of glucose</u>	Class : Topic :	Class : Topic :	Class : Topic :
FRIDAY DATE : 14/4/23	Class : Topic :	Class : Topic : <u>Handwritten</u>	Class : Topic :	Class : Topic : <u>Handwritten</u>	Class : Topic :	Class : Topic :	Class : Topic :
SATURDAY DATE : 15/4/23	Class : Topic :	Class : Topic :	Class : Topic : <u>Ch.</u>	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :

a) This week work load 5/11/23

b) Casual leaves availed 1

H.O.D. Signature

Ac. Co. Signature Pri

KVY DIARY

MONTH OF :

April

ing of the Period Day and Date	Time	Class :	Topic :	Time	Class :	Topic :	Time	Class :	Topic :	Time	Class :	Topic :	Time	Class :	Topic :	Time	Class :	Topic :
MONDAY 17/4/23	9:00-9:50 1st	Class : Topic :	Class : Topic :	9:50-10:40 2nd	Class : Topic :	Class : Topic :	Time	Class : Topic :	Class : Topic :	10:40-11:30 3rd	Class : Topic :	Class : Topic :	Time	Class : Topic :	Class : Topic :	11:30-12:20 4th	Class : Topic :	Class : Topic :
TUESDAY 18/4/23	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Time	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Time	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :
WEDNESDAY 19/4/23	Class : Topic : V.I.P. Room	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Time	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Time	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :
THURSDAY 20/4/23	Class : Topic : Record lesson	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Time	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Time	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :
FRIDAY 21/4/23	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Time	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Time	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :
SATURDAY 22/4/23	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Time	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Time	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :

Week work load

4

b) Casual leaves availed

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H.O.D.

Signature

Ac. Co.

Signature

Principal

Signature

WEEKLY DIARY				MONTH OF : <u>April</u>			
Timing of the Period	Time	Time	Time	Time	Time	Time	Time
Day and Date	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :
MONDAY DATE : <u>28/4/2023</u>	Class : <u>Neurone</u> Topic : <u>vit B₁₂</u>	Class : Topic :	Class : Topic :	Class : <u>Neurone</u> Topic : <u>Estimation of glycine</u>	Class : Topic :	Class : Topic :	Class : Topic :
TUESDAY DATE : <u>29/4/2023</u>	Class : <u>Neurone</u> Topic : <u>More species</u>	Class : <u>Neurone</u> Topic : <u>vit B₆</u>	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :
WEDNESDAY DATE : <u>30/4/2023</u>	Class : Topic :	Class : Topic :	Class : Topic : <u>C.L.</u>	Class : Topic : <u>Neurone</u>	Class : Topic : <u>Neurone</u>	Class : Topic :	Class : Topic :
THURSDAY DATE : <u>29/4/2023</u>	Class : <u>Neurone</u> Topic : <u>vit - H</u>	Class : Topic :	Class : Topic : <u>Estimation of Aspirin</u>	Class : Topic : <u>Neurone</u>	Class : Topic : <u>Neurone</u>	Class : Topic :	Class : Topic :
FRIDAY DATE : <u>28/4/2023</u>	Class : <u>Neurone</u> Topic : <u>vit C</u>	Class : <u>Neurone</u> Topic : <u>vit C</u>	Class : Topic :	Class : Topic : <u>Neurone</u>	Class : Topic : <u>Neurone</u>	Class : Topic :	Class : Topic :
SATURDAY DATE : <u>29/4/2023</u>	Class : Topic :	Class : Topic :	Class : <u>Neurone</u> Topic : <u>meeting</u>	Class : <u>Neurone</u> Topic : <u>Neurone</u>	Class : Topic :	Class : Topic :	Class : Topic :

a) This week work load 30/4 later

b) Casual leaves availed _____

H.O.D. [Signature]

Ac. Co.

Pri

EX DIARY

Teacher: Manoj

Subject: Maths

MONTH OF: May

Principal: [Signature]

# of the Period	Time	Class:	Topic:	Time	Class:	Topic:	Time	Class:	Topic:	Time	Class:	Topic:	Time	Class:	Topic:
MONDAY	8.00-9.50 AM	Class: <u>IX</u> Topic: <u>Algebra</u>	Class: <u>IX</u> Topic: <u>Algebra</u>	8.50-10.40 AM	Class: <u>IX</u> Topic: <u>Algebra</u>	Class: <u>IX</u> Topic: <u>Algebra</u>	1.30-3.10 PM	Class: <u>IX</u> Topic: <u>Algebra</u>	Class: <u>IX</u> Topic: <u>Algebra</u>	2.30-3.10 PM	Class: <u>IX</u> Topic: <u>Algebra</u>	Class: <u>IX</u> Topic: <u>Algebra</u>	3.10-4.00 PM	Class: <u>IX</u> Topic: <u>Algebra</u>	Class: <u>IX</u> Topic: <u>Algebra</u>
TUESDAY	8.00-9.50 AM	Class: <u>IX</u> Topic: <u>Algebra</u>	Class: <u>IX</u> Topic: <u>Algebra</u>	8.50-10.40 AM	Class: <u>IX</u> Topic: <u>Algebra</u>	Class: <u>IX</u> Topic: <u>Algebra</u>	1.30-3.10 PM	Class: <u>IX</u> Topic: <u>Algebra</u>	Class: <u>IX</u> Topic: <u>Algebra</u>	2.30-3.10 PM	Class: <u>IX</u> Topic: <u>Algebra</u>	Class: <u>IX</u> Topic: <u>Algebra</u>	3.10-4.00 PM	Class: <u>IX</u> Topic: <u>Algebra</u>	Class: <u>IX</u> Topic: <u>Algebra</u>
WEDNESDAY	8.00-9.50 AM	Class: <u>IX</u> Topic: <u>Algebra</u>	Class: <u>IX</u> Topic: <u>Algebra</u>	8.50-10.40 AM	Class: <u>IX</u> Topic: <u>Algebra</u>	Class: <u>IX</u> Topic: <u>Algebra</u>	1.30-3.10 PM	Class: <u>IX</u> Topic: <u>Algebra</u>	Class: <u>IX</u> Topic: <u>Algebra</u>	2.30-3.10 PM	Class: <u>IX</u> Topic: <u>Algebra</u>	Class: <u>IX</u> Topic: <u>Algebra</u>	3.10-4.00 PM	Class: <u>IX</u> Topic: <u>Algebra</u>	Class: <u>IX</u> Topic: <u>Algebra</u>
THURSDAY	8.00-9.50 AM	Class: <u>IX</u> Topic: <u>Algebra</u>	Class: <u>IX</u> Topic: <u>Algebra</u>	8.50-10.40 AM	Class: <u>IX</u> Topic: <u>Algebra</u>	Class: <u>IX</u> Topic: <u>Algebra</u>	1.30-3.10 PM	Class: <u>IX</u> Topic: <u>Algebra</u>	Class: <u>IX</u> Topic: <u>Algebra</u>	2.30-3.10 PM	Class: <u>IX</u> Topic: <u>Algebra</u>	Class: <u>IX</u> Topic: <u>Algebra</u>	3.10-4.00 PM	Class: <u>IX</u> Topic: <u>Algebra</u>	Class: <u>IX</u> Topic: <u>Algebra</u>
FRIDAY	8.00-9.50 AM	Class: <u>IX</u> Topic: <u>Algebra</u>	Class: <u>IX</u> Topic: <u>Algebra</u>	8.50-10.40 AM	Class: <u>IX</u> Topic: <u>Algebra</u>	Class: <u>IX</u> Topic: <u>Algebra</u>	1.30-3.10 PM	Class: <u>IX</u> Topic: <u>Algebra</u>	Class: <u>IX</u> Topic: <u>Algebra</u>	2.30-3.10 PM	Class: <u>IX</u> Topic: <u>Algebra</u>	Class: <u>IX</u> Topic: <u>Algebra</u>	3.10-4.00 PM	Class: <u>IX</u> Topic: <u>Algebra</u>	Class: <u>IX</u> Topic: <u>Algebra</u>
SATURDAY	8.00-9.50 AM	Class: <u>IX</u> Topic: <u>Algebra</u>	Class: <u>IX</u> Topic: <u>Algebra</u>	8.50-10.40 AM	Class: <u>IX</u> Topic: <u>Algebra</u>	Class: <u>IX</u> Topic: <u>Algebra</u>	1.30-3.10 PM	Class: <u>IX</u> Topic: <u>Algebra</u>	Class: <u>IX</u> Topic: <u>Algebra</u>	2.30-3.10 PM	Class: <u>IX</u> Topic: <u>Algebra</u>	Class: <u>IX</u> Topic: <u>Algebra</u>	3.10-4.00 PM	Class: <u>IX</u> Topic: <u>Algebra</u>	Class: <u>IX</u> Topic: <u>Algebra</u>

Work load: 8+6=12

Casual leaves availed: 0

H.O.D. [Signature]

Ac. Co. [Signature]

Principal [Signature]

CLV DIARY

MONTH OF : May

Day and Date	Time	Time	Time	Time	Time	Time
MONDAY 22/5/23	Class : Topic :	Class : Topic :	Class : Topic : el	Class : Topic :	Class : Topic :	Class : Topic :
TUESDAY 23/5/23	Class : Topic :	Class : Topic :	Class : Topic : New	Class : Topic :	Class : Topic :	Class : Topic :
WEDNESDAY 24/5/23	Class : Topic :	Class : Topic :	Class : Topic : New	Class : Topic :	Class : Topic :	Class : Topic :
THURSDAY 25/5/23	Class : Topic :	Class : Topic :	Class : Topic : New	Class : Topic :	Class : Topic :	Class : Topic :
FRIDAY 26/5/23	Class : Topic :	Class : Topic :	Class : Topic : New	Class : Topic :	Class : Topic :	Class : Topic :
SATURDAY 27/5/23	Class : Topic :	Class : Topic :	Class : Topic : New	Class : Topic :	Class : Topic :	Class : Topic :

This week work load —

b) Casual leaves availed — 1

H.O.D.

Ac. Co.

Principal

C. Gonda Kru

of the Lecturer : <u>Ganesh Kumar</u>								
Actual work load allotted as per the Time-Table	No. of Classes taken	Syllabus covered Month-wise	Steps proposed to be taken or the coverage, if not covered	No. of Casual leaves availed	Signature of Teacher	Head of the Department	Principal	
2	3	4	5	6	7	8	9	
Theory <u>6+2=8</u> Practical <u>4x3=12</u>	Theory <u>21+5=26</u> Practical <u>-</u> Total <u>26</u>	Therm - HEC-3 Therm - UP - Harwarth Therm - Mass Spect	Covered					



VAAGDEVI DEGREE & P.G. COLLEGE

KISHANPURA, HANAMKONDA - 506 001. T.S.

TEACHING DIARY FOR THE U.G. COURSES - 086

Academic Year 202 - 202

Name: M. Lakshmi Prasanna Subject: Food Science Nutrition

Dept of Food Science Lecturer's I.D. No. _____

Kishanpur, Nagpur.

KISHANPUR DEGREE & P.G. COLLEGE
Kishanpur, Hanamkonda

V SEM BZC- (EM) 2023-24 FOOD SCIENCE

Lecture Hall: 212

DAY	9:00 - 9:50	9:50 - 10:40	10:40 - 11:30	11:30 - 12:20		12.40-1.30	1.30-2.20	2.20-3.10	3.10-4.00
MON	I Sem FS. MSC (T)		FS. V Sem. (T)		LUNCH	I Sem MSC-FS (P)	I Sem FS. MSC (P)		
TUE		I Sem FS. MSC (T)	FS. V Sem. (T)			I. Sem FS. (P)	I. Sem FS. (P)		
WED	I Sem ND (T)			II Sem FS. (T)		II Sem FS. (P)	II Sem FS. (P)		
THU	I Sem ND (T)			III Sem FS. (T)			—		
FRI		I Sem FS. MSC (T)		II Sem FS. (T)		I Sem FS. (P)	I Sem FS. (P)		
SAT			FS. V Sem. (T)						

A. K. Kulkarni

Principal

Vaagdevi Degree & P.G. College
Kishanpur, Hanamkonda

Time	9:00 - 9:50	Time	9:50 - 10:40	Time	10:40 - 11:30	Time	11:30 - 12:20	Time	12:30 - 2:20	Time	2:20 - 3:10
Class: Topic:		Class: Topic:		Class: Topic:		Class: Topic:		Class: Topic:		Class: Topic:	
Class: Topic:	Class: <u>V sem</u> Topic: <u>(ND)</u> <u>over view of</u> <u>cellulose</u>	Class: <u>I sem</u> Topic: <u>(CFs)</u> <u>Micro</u> <u>minerals</u>	Class: <u>I sem</u> Topic: <u>(ND)</u> <u>Paragraft</u> <u>ment</u> <u>Milling of</u> <u>Rice</u>	Class: <u>I sem</u> Topic: <u>(ND)</u> <u>Rice structure</u>	Class: <u>I sem</u> Topic: <u>(ND)</u> <u>Rice structure</u>	Class: <u>I sem</u> Topic: <u>(ND)</u> <u>Rice structure</u>	Class: <u>I sem</u> Topic: <u>(ND)</u> <u>Rice structure</u>	Class: <u>I sem</u> Topic: <u>(ND)</u> <u>Rice structure</u>	Class: <u>I sem</u> Topic: <u>(ND)</u> <u>Rice structure</u>	Class: <u>I sem</u> Topic: <u>(ND)</u> <u>Rice structure</u>	Class: <u>I sem</u> Topic: <u>(ND)</u> <u>Rice structure</u>
Class: Topic:		Class: Topic:		Class: Topic:		Class: Topic:		Class: Topic:		Class: Topic:	
Class: Topic:	Class: <u>Science</u> Topic: <u>2022</u>	Class: <u>Science</u> Topic: <u>2022</u>	Class: <u>Science</u> Topic: <u>2022</u>	Class: <u>Science</u> Topic: <u>2022</u>	Class: <u>Science</u> Topic: <u>2022</u>	Class: <u>Science</u> Topic: <u>2022</u>	Class: <u>Science</u> Topic: <u>2022</u>	Class: <u>Science</u> Topic: <u>2022</u>	Class: <u>Science</u> Topic: <u>2022</u>	Class: <u>Science</u> Topic: <u>2022</u>	Class: <u>Science</u> Topic: <u>2022</u>

b) Casual leaves availed

0
H.O.D.

Principal
Kishanpur, Haranikonda

WEEKLY DIARY

MONTH OF : November

Timing of the Period	Time	Time	Time	Time	Time	Time
Day and Date	Time	Time	Time	Time	Time	Time
MONDAY DATE : 28/11/22	Class : Topic :	Class : 10:30-11:20 Topic : Pice para writing	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :
TUESDAY DATE : 29/11/22	Class : Topic :	Class : 10:30-11:20 Topic : N.D. N.D.	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :
WEDNESDAY DATE : 30/11/22	Class : Topic :	Class : Topic :	Class : 11:20-12:20 Topic : N.D. Topic : Topic :	Class : Topic :	Class : Topic :	Class : Topic :
THURSDAY DATE :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :
FRIDAY DATE :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :
SATURDAY DATE :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :

a) This week work load

b) Casual leaves availed

H.O.D.

Ac. Co.

Principal
Vaagdevi Degree College
Kishanpura, Madhavaram

Day and Date	Time	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :
MONDAY		Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :
TUESDAY 6/12/22		Class : Topic : <u>Islem</u> <u>Public & Return</u> <u>Examination</u>	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :
WEDNESDAY 7/12/22		Class : Topic : <u>Paper 10</u>	Class : Topic : <u>Examination</u>	Class : Topic :	Class : Topic : <u>17</u>	Class : Topic :
THURSDAY 8/12/22		Class : Topic : <u>Public & Return</u> <u>Examination</u>	Class : Topic : <u>9:50-10:40</u>	Class : Topic :	Class : Topic : <u>12:30-12:20</u> <u>Islem</u> <u>Optional exam</u>	Class : Topic :
FRIDAY 9/12/22		Class : Topic : <u>Public & Return</u> <u>Examination</u>	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :
SATURDAY 10/12/22		Class : Topic : <u>Public & Return</u> <u>Examination</u>	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :

Week work load 4

b) Casual leaves availed 01

H.O.D.

Ac. Co. Principal
Vaagdevi Degree & P.G. College
Kishanpura, Hanamkonda

WEEKLY DIARY						
Timing of the Period	Time	Time	Time	Time	Time	Time
Day and Date	Time	Time	Time	Time	Time	Time
MONDAY DATE: 12/12/22	Class: 8:15 Topic: <i>Examination</i> Bt	Class: 9:10 Topic: <i>Examination</i> Bt	Class: 10:00 Topic: <i>Examination</i> Bt	Class: 11:00 am Topic: <i>Chemistry</i> ND	Class: 2:30-3:30 PM Topic: <i>Examination</i> Bt	Class:
TUESDAY DATE: 13/12/22	Class: 8:15 Topic: <i>Examination</i> Bt	Class: 9:10 Topic: <i>Examination</i> Bt	Class: 10:00 Topic: <i>Examination</i> Bt	Class: 11:00 am Topic: <i>Chemistry</i> ND	Class: 2:30-3:30 PM Topic: <i>Examination</i> Bt	Class:
WEDNESDAY DATE: 14/12/22	Class:	Class:	Class:	Class:	Class:	Class:
THURSDAY DATE: 15/12/22	Class: 9:50-10:40 Topic: <i>Examination</i> Bt	Class: 10:40-11:30 Topic: <i>Examination</i> ND	Class: 11:30-12:20 Topic: <i>Examination</i> ND	Class:	Class:	Class:
FRIDAY DATE: 16/12/22	Class: 8:15 Topic: <i>Examination</i> Bt	Class: 9:10 Topic: <i>Examination</i> Bt	Class: 10:00 Topic: <i>Examination</i> Bt	Class: 11:00 am Topic: <i>Chemistry</i> ND	Class: 2:30-3:30 PM Topic: <i>Examination</i> Bt	Class:
SATURDAY DATE: 17/12/22	Class:	Class:	Class:	Class:	Class:	Class:

a) This week work load 7

b) Casual leaves availed 0

H.O.D. *[Signature]*

Ac. Co.
Vaagdevi Degi
Kishanpur

KEY DIARY

MONTH OF: Dec

Day and Date	Time	Class:	Topic:	Time	Class:	Topic:	Time	Class:	Topic:	Time	Class:	Topic:	Time	Class:	Topic:
MONDAY	9/12/22	9:00 - 9:50	Class: Topic:	9:50 - 10:40	Class: Topic:	10:40 - 11:30	Class: Topic:	11:30 - 12:20	Class: Topic:	12:30 - 2:20	Class: Topic:	2:20 - 3:10	Class: Topic:		
TUESDAY	20/12/22	Class: Topic:	Class: Topic:	10:00 AM	Class: Topic:	11:20	Class: Topic:		Class: Topic:		Class: Topic:		Class: Topic:		
WEDNESDAY	21/12/22	Class: Topic:	Class: Topic:	leave -	Class: Topic:		Class: Topic:		Class: Topic:		Class: Topic:		Class: Topic:		
THURSDAY	22/12/22	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:
FRIDAY	23/12/22	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:
SATURDAY	24/12/22	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:

his week work load 3

b) Casual leaves availed 01

Principal
H.O.D.

Ac. Co. Principal
Vaagdevi Degree & P.G. College
Kishanpura, Hanamkonda

WEEKLY DIARY

MONTH OF: Dec.

Timing of the Period Day and Date	Time	Time	Time	Time	Time	Time
MONDAY	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:
DATE: 28/12/22	9.00-9.50	9.50-10.40	10.40-11.30	11.30-12.20	12.30-2.20	2.20-3.10
TUESDAY	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:
DATE: 29/12/22	9.00-9.50	9.50-10.40	10.40-11.30	11.30-12.20	12.30-2.20	2.20-3.10
WEDNESDAY	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:
DATE: 28/12/22	9.00-9.50	9.50-10.40	10.40-11.30	11.30-12.20	12.30-2.20	2.20-3.10
THURSDAY	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:
DATE: 29/12/22	9.00-9.50	9.50-10.40	10.40-11.30	11.30-12.20	12.30-2.20	2.20-3.10
FRIDAY	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:
DATE: 30/12/22	9.00-9.50	9.50-10.40	10.40-11.30	11.30-12.20	12.30-2.20	2.20-3.10
SATURDAY	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:
DATE: 31/12/22	9.00-9.50	9.50-10.40	10.40-11.30	11.30-12.20	12.30-2.20	2.20-3.10

a) This week work load

6

b) Casual leaves availed

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H.O.D.

Ac. Co. Principal
Vaagdevi Degree & P.G. College
Khatampura, Hanamkonda

LV DIARY		Day and Date		Time	Class: Topic:	Time	Class: Topic:	Time	Class: Topic:	Time	Class: Topic:	Time	Class: Topic:
MONDAY		1/1/23		9:00-9:30	Class: Topic: NAAC	9:50-10:40	Class: Topic: Isom	10:40-11:30	Class: Topic: ND	11:30-12:20	Class: Topic: Revision of syllabus.	1:30-2:20	Class: Topic:
TUESDAY		3/1/23		9:00-9:30	Class: Topic: leaves	9:50-10:40	Class: Topic:	10:40-11:30	Class: Topic:	11:30-12:20	Class: Topic:	1:30-2:20	Class: Topic:
WEDNESDAY		1/1/23		9:00-9:30	Class: Topic: NAAC	9:50-10:40	Class: Topic:	10:40-11:30	Class: Topic:	11:30-12:20	Class: Topic:	1:30-2:20	Class: Topic:
THURSDAY		1/1/23		9:00-9:30	Class: Topic: Inauguration	9:50-10:40	Class: Topic: Isom	10:40-11:30	Class: Topic: class	11:30-12:20	Class: Topic: Revision of Internals.	1:30-2:20	Class: Topic:
FRIDAY		6/1/23		9:00-9:30	Class: Topic: Inauguration	9:50-10:40	Class: Topic: Isom	10:40-11:30	Class: Topic: Enzymes	11:30-12:20	Class: Topic: water & BM	1:30-2:20	Class: Topic:
SATURDAY		21/1/23		9:00-9:30	Class: Topic: Inauguration	9:50-10:40	Class: Topic: Isom	10:40-11:30	Class: Topic: Revision on Internals.	11:30-12:20	Class: Topic:	1:30-2:20	Class: Topic:

One week work load

1

b) Casual leaves availed

01

H.O.D.

Principal
Acharya Devi Degree & P.G. College
Kishanpura, Hanamkonda

WEEKLY DIARY

MONTH OF : 2020

Timing of the Period Day and Date	Time 9:00-9:50	Time 9:50-10:40	Time 10:40-11:30	Time 11:30-12:20	Time 1:30-2:20	Time 2:20-3:
MONDAY DATE: 9/1/23	Class: Topic:	Class: Topic: <i>FSSEM</i>	Class: Topic:	Class: Topic:	Class: Topic: <i>Innovation</i>	Class: Topic:
TUESDAY DATE: 10/1/23	Class: Topic:	Class: Topic:	Class: Topic: <i>MD FSSEM</i>	Class: Topic: <i>Innovation</i>	Class: Topic: <i>Innovation</i>	Class: Topic:
WEDNESDAY DATE: 11/1/23	Class: Topic:	Class: Topic: <i>Innovation</i>	Class: Topic: <i>FSSEM</i>	Class: Topic:	Class: Topic:	Class: Topic:
THURSDAY DATE: 12/1/23	Class: Topic:	Class: Topic: <i>Innovation</i>	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:
FRIDAY DATE:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:
SATURDAY DATE:	Class: Topic:	Class: Topic: <i>FSSEM</i>	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:

a) This week work load 2b) Casual leaves availed 1H.O.D. *[Signature]*

Ac. Co.

Vaagdevi L
Kishanpuri

Printer

And Date	Time	Time	Time	Time	Time	Time
MONDAY	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:
11/23	Record F8 Q4 Item Judicial Plavon	F8 MSc Pg Almost striking willing				
TUESDAY	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:
11/23	Record F8 Q4 Item Judicial Plavon	F8 MSc Pg Almost striking willing				
WEDNESDAY	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:
2/23	Imagination duty					
THURSDAY	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:
2/23	Imagination duty					
FRIDAY	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:
14/23	Imagination duty					
SATURDAY	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:
14/23	Imagination duty					

Week work load 6 b) Casual leaves availed — H.O.D. [Signature] Ac. Co. [Signature] [Signature]

WEEKLY DIARY					MONTH OF: Feb.		
Timing of the Period	Time	Time	Time	Time	Time	Time	Time
Day and Date	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:
MONDAY DATE: 6/2/23				Class: (S) Topic: PG FS	Class: (S) Topic: USEM		
TUESDAY DATE: 7/2/23	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic: ASSEM ND	Class: Topic: ND on Diarrhoea.		Class: Topic:
WEDNESDAY DATE: 8/2/23	Class: Topic:	Class: Topic: PG FS	Class: Topic: Milled Rice Quality	Class: Topic: PG FS	Class: Topic:		Class: Topic:
THURSDAY DATE: 9/2/23	Class: Topic: PG FS	Class: Topic: PG FS	Class: Topic: PG FS	Class: Topic: PG FS	Class: Topic: PG FS		Class: Topic:
FRIDAY DATE: 10/2/23	Class: Topic:	Class: Topic: PG FS	Class: Topic: PG FS	Class: Topic: PG FS	Class: Topic: PG FS		Class: Topic:
SATURDAY DATE: 11/2/23	Class: Topic:	Class: Topic: PG FS	Class: Topic: PG FS	Class: Topic: PG FS	Class: Topic: PG FS		Class: Topic:

a) This week work load X

b) Casual leaves availed 1

H.O.D.

Ac. Co.

DIARY

MONTH OF : Feb.

of the Period Day and Date	Time 9:00 to 9:50	Time 9:50 to 10:40	Time 10:40 - 11:30	Time 11:30 to 12:20	Time 1:30 to 2:20	Time 2:20 to 3:10
MONDAY 12/2/23	Class: Topic:	Class: Topic: Innigation UG	Class: Topic: Afternoon	Class: Topic: PG	Class: Topic:	Class: Topic:
TUESDAY 13/2/23	Class: Topic:	Class: Topic: Innigation }	Class: Topic: 2:15-3:00 PGH 304 mpc	Class: Topic: 3:45-4:30 UG ND	Class: Topic: A + 25	Class: Topic: Examination
WEDNESDAY 14/2/23	Class: Topic:	Class: Topic: Innigation	Class: Topic: 1:30-2:15 FS S ND 6th sem	Class: Topic: 3:00-3:45 FS ND 4th sem.	Class: Topic:	Class: Topic:
THURSDAY 15/2/23	Class: Topic: PG FS	Class: Topic:	Class: Topic: PG FS	Class: Topic: 11:30 6th sem ND Scope of PHN	Class: Topic: 3:30-3:45 6th sem ND 6th sem Dinnhera.	Class: Topic:
FRIDAY 16/2/23	Class: Topic: Innigation	Class: Topic:	Class: Topic: 2:15 4th sem Dinnhera	Class: Topic: 3:45 6th sem PHN productivity.	Class: Topic:	Class: Topic:
SATURDAY	Class: Topic:	Class: Topic: Holiday	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:

Week work load

5

b) Casual leaves availed

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H.O.D.

Ac. Co.

Principal

WEEKLY DIARY							MONTH OF: Feb	
Timing of the Period	Day and Date	Time	Time	Time	Time	Time	Time	Time
MONDAY	DATE:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:
TUESDAY	DATE:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:
WEDNESDAY	DATE:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:
THURSDAY	DATE:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:
FRIDAY	DATE:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:
SATURDAY	DATE:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:

a) This week work load

8

b) Casual leaves availed

H.O.D.

Ac. Co.

Principal

Day and Date	Time	Topic	Time	Topic	Time	Topic	Time	Topic
MONDAY 6/3/23	9:00 to 9:50	Class: AND Topic: 6 Sem Proteins	9:50 to 10:40	Class: II Sem Topic: Job	10:40 to 11:30	Class: 6 Sem Topic: NPSC PPT	11:30 to 12:20	Class: 6 Sem Topic: NP Lab
TUESDAY 7/3/23	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:
WEDNESDAY 8/3/23	Class: Topic:	Class: II Sem Topic: Obesity	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:
THURSDAY 9/3/23	Class: Topic:	Class: II Sem Topic: Obesity	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:
FRIDAY 10/3/23	Class: 11:30 Topic: 6 Sem	Class: Topic:	Class: 2:20 PM Topic: NP Sem	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:
SATURDAY 11/3/23	Class: Topic:	Class: 11:30 Topic: 6 Sem	Class: Topic:	Class: 2:20 PM Topic: NP Sem	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:

MONTH OF: MARCH

WEEKLY DIARY		Timing of the Period	Day and Date	Time	Class:	Topic:	Time	Class:	Topic:	Time	Class:	Topic:	Time	Class:	Topic:	Time	Class:	Topic:
MONDAY		DATE: 13/3/23	Class: 9:00-10:00	Topic: Lab FS	Class: 10:15-11:15	Topic: Microscope	Class: 11:30-12:30	Topic: Protein deficiency	Class: 1:30-2:30	Topic: ND	Class: 2:30-3:30	Topic: ND	Class: 3:30-4:30	Topic: ND	Class: 4:30-5:30	Topic: ND	Class: 5:30-6:30	Topic: ND
TUESDAY		DATE: 14/3/23	Class: 9:00-10:00	Topic: Lab FS	Class: 10:15-11:15	Topic: Microscope	Class: 11:30-12:30	Topic: Protein deficiency	Class: 1:30-2:30	Topic: ND	Class: 2:30-3:30	Topic: ND	Class: 3:30-4:30	Topic: ND	Class: 4:30-5:30	Topic: ND	Class: 5:30-6:30	Topic: ND
WEDNESDAY		DATE: 15/3/23	Class: 9:00-10:00	Topic: Lab FS	Class: 10:15-11:15	Topic: Microscope	Class: 11:30-12:30	Topic: Protein deficiency	Class: 1:30-2:30	Topic: ND	Class: 2:30-3:30	Topic: ND	Class: 3:30-4:30	Topic: ND	Class: 4:30-5:30	Topic: ND	Class: 5:30-6:30	Topic: ND
THURSDAY		DATE: 16/3/23	Class: 9:00-10:00	Topic: Lab FS	Class: 10:15-11:15	Topic: Microscope	Class: 11:30-12:30	Topic: Protein deficiency	Class: 1:30-2:30	Topic: ND	Class: 2:30-3:30	Topic: ND	Class: 3:30-4:30	Topic: ND	Class: 4:30-5:30	Topic: ND	Class: 5:30-6:30	Topic: ND
FRIDAY		DATE: 17/3/23	Class: 9:00-10:00	Topic: Lab FS	Class: 10:15-11:15	Topic: Microscope	Class: 11:30-12:30	Topic: Protein deficiency	Class: 1:30-2:30	Topic: ND	Class: 2:30-3:30	Topic: ND	Class: 3:30-4:30	Topic: ND	Class: 4:30-5:30	Topic: ND	Class: 5:30-6:30	Topic: ND
SATURDAY		DATE: 18/3/23	Class: 9:00-10:00	Topic: Lab FS	Class: 10:15-11:15	Topic: Microscope	Class: 11:30-12:30	Topic: Protein deficiency	Class: 1:30-2:30	Topic: ND	Class: 2:30-3:30	Topic: ND	Class: 3:30-4:30	Topic: ND	Class: 4:30-5:30	Topic: ND	Class: 5:30-6:30	Topic: ND

a) This week work load 2

b) Casual leaves availed 1

Handwritten Signature

Ac. Co.

Print

MY DIARY

MONTH OF: MARCH

Day and Date	Time 9:00 to 9:50	Time 9:50 to 10:40	Time 10:40 to 11:30	Time 11:30 to 12:20	Time 1:30 to 2:20	Time 2:20 to 3:10
MONDAY 3/3/23	Class: II Sem Topic: FS Lab Microscopy Record	Class: 6 Sem Topic: ND Energy	Class: 11A Topic:	Class: Topic:	Class: Topic:	Class: Topic:
TUESDAY 6/3/23	Class: II Sem Topic: FS Lab Sterilization technique	Class: 6 Sem Topic: 41D Energy Dress	Class: 11 Sem Topic: 11D Hepatitis disease	Class: Topic:	Class: Topic:	Class: Topic:
WEDNESDAY	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:
THURSDAY	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:
FRIDAY 9/3/23	Class: 11:30 - 12:20 Topic: 6 Sem ND	Class: Topic: Energy	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:
SATURDAY 10/3/23	Class: Topic: 11:30 - 6 Sem ND	Class: Topic: Problem on Energy	Class: Topic: Minerals	Class: Topic: Investigation of PG	Class: Topic:	Class: Topic:

Week work load 5

b) Casual leaves availed 1

Accepted
H.O.D.

Ac. Co.

Principal

WEEKLY DIARY

MONTH OF: **March**

Timing of the Period Day and Date	Time	Time	Time	Time	Time	Time
MONDAY DATE: 27/03/23	Class: Topic: FS Lab Gram staining techniques	Class: Topic: ND 6sem Minerals (exam)	Class: Topic: ND 4sem Corticoids	Class: Topic: ND 6sem Minerals	Class: Topic: ND 4sem Corticoids	Class: Topic: ND 4sem Corticoids
TUESDAY DATE: 28/03/23	Class: Topic: FS Lab Gram staining	Class: Topic: ND 6sem Calcium Exam	Class: Topic: ND 4sem Exam	Class: Topic: ND 6sem Iron	Class: Topic: ND 4sem Corticoids	Class: Topic: ND 4sem Corticoids
WEDNESDAY DATE: 29/03/23	Class: Topic: 6sem Iodine	Class: Topic: 4sem under microscope	Class: Topic: 4sem Corticoids	Class: Topic: ND 6sem Iron	Class: Topic: ND 4sem Corticoids	Class: Topic: ND 4sem Corticoids
THURSDAY DATE: 30/03/23	Class: Topic:	Class: Topic: 4sem Holidary	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:
FRIDAY DATE: 31/03/23	Class: Topic:	Class: Topic: 11:30 Minerals Exam	Class: Topic: 4sem Exam & Bomb calor	Class: Topic: ND 6sem Minerals	Class: Topic: ND 4sem Corticoids	Class: Topic: ND 4sem Corticoids
SATURDAY DATE: 1/04/23	Class: Topic:	Class: Topic: Revision 6sem	Class: Topic:	Class: Topic: Revision 4sem	Class: Topic: ND 6sem Minerals	Class: Topic: ND 4sem Corticoids

a) This week work load 10b) Casual leaves availed 1

H.O.D.

Ac. Co.

Prim

WEEKLY DIARY

MONTH OF: April

Timing of the Period	Time	Time	Time	Time	Time	Time
Day and Date	9:00 to 9:50	9:50 to 10:40	10:40 to 11:30	11:30 to 12:20	12:30 to 2:20	2:20 to 3:20
MONDAY DATE: 10/3/23	Class: <u>2 Sem</u> Topic: <u>Feed intake Record</u>	Class: <u>2 Sem</u> Topic: <u>Q. Minc</u>	Class: <u>2 Sem</u> Topic: <u>ND 6 Sem Epidemiology</u>	Class: <u>2 Sem</u> Topic: <u>ND 6 Sem</u>	Class: <u>2 Sem</u> Topic: <u>ND 6 Sem</u>	Class: <u>2 Sem</u> Topic: <u>ND 6 Sem</u>
TUESDAY DATE: 11/3/23	Class: <u>2 Sem</u> Topic: <u>Feed intake Record</u>	Class: <u>2 Sem</u> Topic: <u>ND 6 Sem Epidemiology</u>	Class: <u>2 Sem</u> Topic: <u>ND 6 Sem</u>	Class: <u>2 Sem</u> Topic: <u>ND 6 Sem</u>	Class: <u>2 Sem</u> Topic: <u>ND 6 Sem</u>	Class: <u>2 Sem</u> Topic: <u>ND 6 Sem</u>
WEDNESDAY DATE: 12/3/23	Class: <u>2 Sem</u> Topic: <u>lab plan</u>	Class: <u>2 Sem</u> Topic: <u>ND 6 Sem</u>	Class: <u>2 Sem</u> Topic: <u>ND 6 Sem</u>	Class: <u>2 Sem</u> Topic: <u>ND 6 Sem</u>	Class: <u>2 Sem</u> Topic: <u>ND 6 Sem</u>	Class: <u>2 Sem</u> Topic: <u>ND 6 Sem</u>
THURSDAY DATE: 13/3/23	Class: <u>2 Sem</u> Topic: <u>ND 6 Sem</u>	Class: <u>2 Sem</u> Topic: <u>ND 6 Sem</u>	Class: <u>2 Sem</u> Topic: <u>ND 6 Sem</u>	Class: <u>2 Sem</u> Topic: <u>ND 6 Sem</u>	Class: <u>2 Sem</u> Topic: <u>ND 6 Sem</u>	Class: <u>2 Sem</u> Topic: <u>ND 6 Sem</u>
FRIDAY DATE: 14/3/23	Class: <u>2 Sem</u> Topic: <u>ND 6 Sem</u>	Class: <u>2 Sem</u> Topic: <u>ND 6 Sem</u>	Class: <u>2 Sem</u> Topic: <u>ND 6 Sem</u>	Class: <u>2 Sem</u> Topic: <u>ND 6 Sem</u>	Class: <u>2 Sem</u> Topic: <u>ND 6 Sem</u>	Class: <u>2 Sem</u> Topic: <u>ND 6 Sem</u>
SATURDAY DATE: 15/3/23	Class: <u>2 Sem</u> Topic: <u>ND 6 Sem</u>	Class: <u>2 Sem</u> Topic: <u>ND 6 Sem</u>	Class: <u>2 Sem</u> Topic: <u>ND 6 Sem</u>	Class: <u>2 Sem</u> Topic: <u>ND 6 Sem</u>	Class: <u>2 Sem</u> Topic: <u>ND 6 Sem</u>	Class: <u>2 Sem</u> Topic: <u>ND 6 Sem</u>

a) This week work load 5b) Casual leaves availed —

H.O.D.

Ac. Co.

Day and Date	Time 9:00 to 9:50	Time 9:50 to 10:40	Time 10:40 to 11:30	Time 11:30 to 12:20	Time 1:30 to 2:20	Time 2:20 to 3:10
MONDAY 11/5/23	Class: Topic: Departmental work	Class: Topic: 21C 23	Class: Topic: 21C 23	Class: Topic: 21C 23	Class: Topic: 21C 23	Class: Topic: 21C 23
TUESDAY 2/5/23	Class: Topic: Nutrition	Class: Topic: 21C 23	Class: Topic: 21C 23	Class: Topic: 21C 23	Class: Topic: 21C 23	Class: Topic: 21C 23
WEDNESDAY 3/5/23	Class: Topic: Nutrition	Class: Topic: 21C 23	Class: Topic: 21C 23	Class: Topic: 21C 23	Class: Topic: 21C 23	Class: Topic: 21C 23
THURSDAY 4/5/23	Class: Topic: Record correction	Class: Topic: 21C 23	Class: Topic: 21C 23	Class: Topic: 21C 23	Class: Topic: 21C 23	Class: Topic: 21C 23
FRIDAY 5/5/23	Class: Topic: Record correction	Class: Topic: 21C 23	Class: Topic: 21C 23	Class: Topic: 21C 23	Class: Topic: 21C 23	Class: Topic: 21C 23
SATURDAY 6/5/23	Class: Topic: Record	Class: Topic: 21C 23	Class: Topic: 21C 23	Class: Topic: 21C 23	Class: Topic: 21C 23	Class: Topic: 21C 23

Week work load 1

b) Casual leaves availed

H.O.D.

Ac. Co.

Principal

WEEKLY DIARY						
Timing of the Period	Time	Time	Time	Time	Time	Time
Day and Date	9:00-9:50	9:50 to 10:40	10:40 - 11:30	11:30 - 12:20	12:30 - 2:20	2:20
MONDAY DATE: 2/5/23	Class: Topic: No students	Class: Topic: Record correction	Class: Topic: Record correction	Class: Topic: Departmental work	Class: Topic: Departmental work	Class: Topic:
TUESDAY DATE: 9/5/23	Class: Topic: No students	Class: Topic: Record	Class: Topic: correction	Class: Topic: Departmental work	Class: Topic:	Class: Topic:
WEDNESDAY DATE: 10/5/23	Class: Topic: Departmental work	Class: Topic: work	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:
THURSDAY DATE: 11/5/23	Class: Topic: Departmental work	Class: Topic: work	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:
FRIDAY DATE: 12/5/23	Class: Topic: Departmental work	Class: Topic: work	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:
SATURDAY DATE: 13/5/23	Class: Topic: Departmental work	Class: Topic: work	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:

a) This week work load _____

b) Casual leaves availed _____

H.O.D.

Ac. Co.
Vaagdevi
Kishan

Colt
Kond

NAME OF THE TEACHER : N. Rakesh.

TIME TABLE

SUBJECT : Statistics.

DAY-PERIOD	1st PERIOD (Time 9:00 to 9:40)	2nd PERIOD (Time 9:50 to 10:40)	3rd PERIOD (Time 10:40 to 11:30)	4th PERIOD (Time 11:30 to 12:20)	5th PERIOD (Time 1:10 to 2:00)	6th PERIOD (Time 2:00 to 2:50)	7th PERIOD (Time 2:50 to 4:00)
MONDAY			mstds-II (C) Practical	mstds-II (B) Seminar	mstds-II (C) II nd semester		mstds-IV (A) IV th semester
TUESDAY					mstds-II (C) Seminar		mstds-IV (A) IV th semester
WEDNESDAY			mstds-II (C) Practical		mstds-IV (A) III rd semester		mstds-IV (A) Seminar
THURSDAY					mstds-IV (A) Seminar		
FRIDAY			mstds-II (C) Seminar				
SATURDAY			mstds-II (C) Seminar				

Vaagdevi Degree & P.G. College
Kishanpura, Hanamkonda

TEACHING PLAN

Paper : II

Semester : II

Subject : Statistics

No.	Date	Topic
28/3/22		Introduction to one point distribution
29/3/22		Properties of one point distribution
1/4/22		Introduction to Bernoulli distribution
4/4/22		Seminar
4/4/22		Properties of Bernoulli distribution
6/4/22		Practical
8/4/22		Introduction to Binomial distribution
9/4/22		Mean and variance of Binomial distribution
11/4/22		Seminar
11/4/22		Theorems on Binomial distribution
12/4/22		Introduction to Poisson distribution
13/4/22		Practical
16/4/22		Mean and variance of Poisson distribution
18/4/22		Seminar
18/4/22		Theorems on Poisson distribution
19/4/22		Introduction to Negative binomial distn
20/4/22		Practical
22/4/22		Properties of NB distribution
23/4/22		Theorems on NB distribution
25/4/22		Seminar
25/4/22		Introduction to Geometric distribution

Lectur No.	Date	Topic
22	26/4/22	Properties of Geometric distribution
23	27/4/22	Practical
24	29/4/22	Introduction to hyper-geometric distribution
25	29/4/22	Problems
26	30/4/22	Properties of hyper-geometric distribution
27	30/4/22	Problems
28	6/5/22	Introduction to uniform distribution
29	6/5/22	Properties of uniform distribution
30	7/5/22	Theorems on uniform distribution
31	7/5/22	Introduction to Normal distribution
32	9/5/22	Mean and variance of Normal distribution
33	10/5/22	Properties of normal distribution
34	11/5/22	Practical
35	12/5/22	Introduction to standard N. distribution
36	13/5/22	Problems on Area property
37	13/5/22	Theorems on Area property
38	13/5/22	Properties of standard N. distribution
39	14/5/22	Introduction to exponential distribution
40	14/5/22	Properties of exponential distribution
41	16/5/22	Theorems on exponential distribution
42	17/5/22	Introduction to Gamma distribution

Vaagdevi Ujjwal
Kishanpura, Hanamantnagar

TEACHING PLAN

Paper : IV

Semester : IV

Subject : Statistics

Sr. No.	Date	Topic
28/3/22	29/3/22	Introduction and definitions
29/3/22	30/3/22	types of errors hypothesis
30/3/22	31/3/22	examples
31/3/22	4/4/22	critical Region
4/4/22	6/4/22	Types of errors
6/4/22	7/4/22	Neymann Pearson's lemma
7/4/22	11/4/22	Seminar
11/4/22	12/4/22	Example of B.N.P. & P(N) distn
12/4/22	13/4/22	Example of Exponential and N(u,σ²) distn
13/4/22	18/4/22	practical
18/4/22	19/4/22	Examples of other distn
19/4/22	20/4/22	Randomized and Non-Randomized Test
20/4/22	21/4/22	Seminar
21/4/22	25/4/22	Definitions
25/4/22	26/4/22	practical
26/4/22		Single sample mean test
		Test for difference of means
		Test for single proportions
		Test for difference of proportions
		practical
		Test for single SD.

Lectur No.	Date	Topic
22	27/4/22	Test for diff of standard deviations
23	27/4/22	Seminar
24	28/4/22	Fisher's Z transformation
25	28/4/22	Test for single correlation coefficient
26	5/5/22	Test for difference of two correlation coefficient
27	5/5/22	Order statistics
28	9/5/22	Functions of order statistics
29	10/5/22	practical
30	10/5/22	Test for single mean (t-test)
31	11/5/22	Test for diff of means
32	11/5/22	Seminar
33	12/5/22	Test for variance of (m²-test)
34	16/5/22	Independency of Attributes
35	17/5/22	practical
36	17/5/22	m²-test for Goodness of fit
37	18/5/22	Test for difference of variance (F-test)
38	18/5/22	Seminar
39	19/5/22	Introduction to N.P test
40	23/5/22	Measurement scale nominal and ordinal
41	24/5/22	practical
42	24/5/22	Advantages and disadvantages of NP test

Prof

Prof

KIV DIARY

Page No. 10014-10015

MONTH OF: March. 2022

Day and Date	Time	Time	Time	Time	Time	Time
MONDAY : 28/3/2022	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic : Introduction to one point distribution	Class : Topic :	Class : Topic : Introduction and definitions
TUESDAY : 29/3/2022	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic : Properties of one point distribution	Class : Topic :	Class : Topic : Types of tests hypothesis.
WEDNESDAY : 30/3/2022	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic : Examples	Class : Topic :	Class : Topic :
THURSDAY : 31/03/2022	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic : Critical 'Region'	Class : Topic :	Class : Topic :
FRIDAY : 01/4/2022	Class : Topic :	Class : Topic : Introduction to Bernoulli dist.	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :
SATURDAY : 2/4/2022	Class : Topic :	Class : Topic : Holiday	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :

Week work load 07

b) Casual leaves availed - Nil

Ac. Co.

Principal

6 classes

WEEKLY DIARY

MONTH OF: April 2022

Timing of the Period Day and Date	Time :	Time : 10:40 to 11:30 AM	Time : 11:30 to 12:30 PM	Time : 1:10 to 2:00 PM	Time :	Time : 2:50 to 3:40
MONDAY DATE : 4/4/2022	Class : Topic :	Class : Topic :	Class : MSTDS-III (B) Topic : Seminars	Class : MSTDS-III (B) Topic : Properties of Bernoulli disb?	Class : Topic :	Class : MSTDS-IV (A) Topic : Types of Corros
TUESDAY DATE : 5/4/2022	Class : Topic :	Class : Topic : Holiday	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :
WEDNESDAY DATE : 6/4/2022	Class : Topic :	Class : Topic :	Class : MSTDS-III (B) Topic : Practical	Class : MSTDS-IV (A) Topic : Neymann Pearsons Lemma.	Class : Topic :	Class : MSTDS-IV Topic : Seminars
THURSDAY DATE : 7/4/2022	Class : Topic :	Class : Topic :	Class : Topic :	Class : MSTDS-IV (A) Topic : Example of $g(n, p)$, $P(X)$ disb?	Class : Topic :	Class : Topic :
FRIDAY DATE : 8/4/2022	Class : Topic :	Class : MSTDS-III (B) Topic : Introduction to Binomial disb?	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :
SATURDAY DATE : 9/4/2022	Class : Topic :	Class : MSTDS-III (B) Topic : Mean and Variance of Binomial disb?	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :

a) This week work load 08

b) Casual leaves availed - Nil

Ac. Co.

Principal

KLY DIARY

MONTH OF: April 2022

ing of the Period Day and Date	Time :	Time : 10:30 to 11:30 Am	Time : 11:30 to 12:30 pm	Time : 1:10 to 2:00 pm	Time :	Time : 2:50 to 3:40 pm
MONDAY : 11/4/2022	Class : Topic :	Class : MSTDS-III(B) Topic : Semin 2	Class : MSTDS-III(B) Topic : Theorems of Binomial disb.	Class : Topic :	Class : MSTCS-IV(A) Topic : Example of exponential and $N(\mu, \sigma)$ disb.	
TUESDAY : 12/4/2022	Class : Topic :	Class : MSTCS-IV(A) Topic : Practical	Class : mstcs-III(B) Topic : Introduction to Poisson disb.	Class : Topic :	Class : mstcs-IV(A) Topic : Examples of other disb.	
WEDNESDAY : 13/4/2022	Class : Topic :	Class : MSTCS-III(B) Topic : Practical	Class : mstcs-IV(A) Topic : Randomized and Non-Randomized Test.	Class : Topic :	Class : MSTCS-IV(A) Topic : Semin 2	
THURSDAY : 14/4/2022	Class : Topic :	Class : Topic : Holiday	Class : Topic :	Class : Topic :	Class : Topic :	
FRIDAY : 15/4/2022	Class : Topic :	Class : Topic : Holiday	Class : Topic :	Class : Topic :	Class : Topic :	
SATURDAY : 16/4/2022	Class : Topic :	Class : mstcs-III(B) Topic : Mean and variance of $P(X)$ disb.	Class : Topic :	Class : Topic :	Class : Topic :	

week work load 10

b) Casual leaves availed Nil

Ac. Co.

Principal

WEEKLY DIARY

MONTH OF: April - 2022

Timing of the Period Day and Date	Time :	Time : 10:40 to 11:30 am	Time : 11:30 to 12:00pm	Time : 1:10 to 2:00 PM	Time :	Time : 2:50 to 3:40
MONDAY DATE : 18/4/2022	Class : Topic :	Class : MSTDs-III (E) Topic : Theorems on Poisson dist ⁿ .	Class : MSTDs-III (E) Topic : Semin-9.	Class : MSTDs-III (E) Topic : Theorems on Poisson dist ⁿ .	Class : Topic :	Class : MSTDs Topic : Definition
TUESDAY DATE : 19/4/2022	Class : Topic :	Class : MSTDs-III (E) Topic : Practical	Class : MSTDs-IV (A) Topic : Practical	Class : MSTDs-III (E) Topic : Introduction to Negative Binomial dist ⁿ .	Class : Topic :	Class : MSTDs-IV Topic : Single Sam ^g mean test
WEDNESDAY DATE : 20/4/2022	Class : Topic :	Class : MSTDs-III (E) Topic : Practical	Class : MSTDs-III (E) Topic : Practical	Class : MSTDs-IV (A) Topic : Test	Class : MSTDs-IV (A) Topic : Test for differences of means.	Class : Topic :
THURSDAY DATE : 21/4/2022	Class : Topic :	Class : MSTDs-III (E) Topic :	Class : Topic :	Class : MSTDs-IV (A) Topic :	Class : MSTDs-IV (A) Topic : Test for single proportions.	Class : Topic :
FRIDAY DATE : 22/4/2022	Class : Topic :	Class : MSTDs-III (E) Topic : Properties of Poisson dist ⁿ	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :
SATURDAY DATE : 23/4/2022	Class : Topic :	Class : MSTDs-III (E) Topic : Theorems on NB-dist ⁿ .	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :

a) This week work load

11

b) Casual leaves availed

Nil

Ac. Co.

Principal

KLY DIARY

MONTH OF: April 2022

Day and Date	Time	Time	Time	Time	Time	Time
MONDAY : 26/4/2022	Class : Topic :	Class : Topic :	Class : Topic : M1 STDs - II (E) Seminar	Class : Topic : M1 STDs- II (E) Introduction to Geometric disb.	Class : Topic :	Class : Topic : M1 STDs- IV (A) Test for Difference of Proportions
TUESDAY : 26/4/2022	Class : Topic :	Class : Topic :	Class : Topic : M1 STDs- IV (A) Practical	Class : Topic : M1 STDs- II (E) Properties of Geometric disb.	Class : Topic :	Class : Topic : M1 STDs- IV (A) Test for single SD.
WEDNESDAY : 27/4/2022	Class : Topic :	Class : Topic :	Class : Topic : M1 STDs- II (A) Practical	Class : Topic : M1 STDs- IV (A) Test for diff of Standard deviations.	Class : Topic :	Class : Topic : M1 STDs- IV (A) Scoring
THURSDAY : 28/4/2022	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic : M1 STDs- IV (A) Fisher Z-transformation single Co-efficient	Class : Topic :	Class : Topic :
FRIDAY : 29/4/2022	Class : Topic :	Class : Topic : I Introduction to Hyper Geometric disb.	Class : Topic :	Class : Topic : M1 STDs- II (E) Problems	Class : Topic :	Class : Topic :
SATURDAY : 30/4/2022	Class : Topic :	Class : Topic : M1 STDs- II (E) Properties of Hyper Geometric disb.	Class : Topic :	Class : Topic : M1 STDs- II (E) Problems.	Class : Topic : M1 STDs- IV (A) Total = 47	Class : Topic :

Week work load 15

b) Casual leaves availed - Nil

Ac. Co.

Principal

WEEKLY DIARY		MONTH OF : May 2022				
Timing of the Period	Time :	Time :	Time :	Time :	Time :	
Day and Date	Time :	Time :	Time :	Time :	Time :	
MONDAY DATE : 2/5/2022	Class : Topic :	Class : Topic : ← Internal Assessment - I →	Class : Topic :	Class : Topic :	Class : Topic :	
TUESDAY DATE : 3/5/2022	Class : Topic :	Class : Topic : Holiday	Class : Topic :	Class : Topic :	Class : Topic :	
WEDNESDAY DATE : 4/5/2022	Class : Topic :	Class : Topic : Holiday	Class : Topic :	Class : Topic :	Class : Topic :	
THURSDAY DATE : 5/5/2022	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic : MSTCS - (IVA) Topic : test for difference of two correlating coeffs.	Class : Topic : MSTCS - (IV A) Topic : order statistics	
FRIDAY DATE : 6/5/2022	Class : Topic :	Class : Topic : MSTDS - (IIA) Topic : Introduction to uniform distribution	Class : Topic :	Class : Topic : MSTDS - (IIB) Topic : properties of uniform distn	Class : Topic :	
SATURDAY DATE : 7/5/2022	Class : Topic :	Class : Topic : MSTDS - (IIC) Topic : Theorems of uniform distribution	Class : Topic :	Class : Topic : MSTDS - (IIC) Topic : Introduction to Normal distn.	Class : Topic :	

a) This week work load 06

b) Casual leaves availed Nil

Signature

Ac. Co.

Principal

KLY DIARY

MONTH OF: May 2022

Day and Date	Time	Time : 10:40 to 11:30 am	Time : 11:50 to 12:20 pm	Time : 12:10 to 2:00 pm	Time : 2:00 to 2:50 pm	Time : 2:50 to 3:40 pm
MONDAY : 9/5/2022	Class : Topic :	Class : Topic :	Class : Topic :	Class : mstcs-III(a) Topic : mean and variance of normal dist?	Class : Topic :	Class : mstcs-IV(a) Topic : functions of order statistics
TUESDAY : 10/5/2022	Class : Topic :	Class : Topic :	Class : mstcs-IV(a) Topic : Practical	Class : mstcs-III(a) Topic : Properties of Normal dist?	Class : Topic :	Class : mstcs-IV(a) Topic : Test for single mean (t-test)
WEDNESDAY : 11/5/2022	Class : Topic :	Class : Topic :	Class : mstcs-II(a) Topic : Practical	Class : mstcs-IV(a) Topic : Test for diff of means.	Class : Topic :	Class : mstcs-IV(a) Topic : Scoring.
THURSDAY : 12/5/2022	Class : Topic :	Class : Topic :	Class : Topic :	Class : mstcs-II(a) Topic : Test for variance of (χ^2-test).	Class : mstcs-II(a) Topic : Introduction to standard N-dist?	Class : Topic :
FRIDAY : 13/5/2022	Class : Topic :	Class : mstcs-III(a) Topic : problems on Area Property	Class : Topic :	Class : mstcs-III(a) Topic : Theorems on Area Property.	Class : mstcs-III(a) Topic : Properties of Standard N-dist?	Class : Topic :
SATURDAY : 14/5/2022	Class : Topic :	Class : mstcs-III(a) Topic : Introducing the exponential dist?	Class : Topic :	Class : mstcs-II(a) Topic : Properties of Exponential dist?	Class : Topic :	Class : Topic :

Week work load 15

b) Casual leaves availed Nil

Ac. Co.

Principal

WEEKLY DIARY

MONTH OF : May 2022

Timing of the Period Day and Date	Time	Time	Time	Time	Time
MONDAY DATE : 16/5/2022	Class : Topic :	Class : Topic :	Class : Topic :	Class : Mstos-II (C) Topic :	Class : Mstos Topic :
TUESDAY DATE : 17/5/2022	Class : Topic :	Class : Topic :	Class : Mstos-II (A) Topic : practical	Class : mstos-II (C) Topic : Introduction to Gamma disb	Class : Mstos Topic : - The terms of exponential disb
WEDNESDAY DATE : 18/5/2022	Class : Topic :	Class : Topic :	Class : Topic :	Class : mstos-II (A) Topic : difference of variances (F-test)	Class : mstos-II (C) Topic : Test for difference of variances (F-test)
THURSDAY DATE : 19/5/2022	Class : Topic :	Class : Topic :	Class : Topic :	Class : Mstos-II (A) Topic : Introduction to NP test	Class : mstos-II (C) Topic : Properties of Gamma disb
FRIDAY DATE : 20/5/2022	Class : Topic :	Class : mstos-II (C) Topic : The terms of Gamma disb	Class : Topic :	Class : mstos-II (C) Topic : Introduction to beta disb	Class : mstos-II (C) Topic :
SATURDAY DATE : 21/5/2022	Class : Topic :	Class : mstos-II (C) Topic : Mean and Variance of beta disb	Class : Topic :	Class : Topic :	Class : Topic :

a) This week work load 13b) Casual leaves availed Nil

Ac. Co.

Principal

KLY DIARY

MONTH OF : May 2022

Timing of the Period Day and Date	Time :	Time : 10:40 to 11:30 AM	Time : 11:30 to 12:30 PM	Time : 1:10 to 2:00 PM	Time : 2:00 to 2:50 PM	Time : 2:50 to 3:40 PM
MONDAY : 23/5/2022	Class : Topic :	Class : Topic : M111W	Class : Topic :	Class : msta-II (Q) Topic : Introduction to to Cachy disb?	Class : Topic :	Class : msta-IV (A) Topic : Measurement scale - nominal and ordinal
TUESDAY : 24/5/2022	Class : Topic :	Class : Topic : M111W	Class : msta-IV (A) Topic : practical	Class : msta-II (Q) Topic : Properties of Cachy disb?	Class : Topic :	Class : msta-IV (A) Topic : Advantages and Disadvantages of NP test
WEDNESDAY : 25/5/2022	Class : Topic :	Class : Topic : M111W	Class : Topic :	Class : msta-IV (A) Topic : Run test!	Class : msta-IV (A) Topic : paired sample run test	Class : msta-IV (A) Topic : Seminars
THURSDAY : 26/5/2022	Class : Topic :	Class : Topic :	Class : Topic :	Class : msta-IV (A) Topic : Median test	Class : Topic :	Class : Topic :
FRIDAY : 27/5/2022	Class : Topic :	Class : msta-II (Q) Topic : Theorem of Cachy disb?	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :
SATURDAY : 28/5/2022	Class : Topic :	Class : msta-III (Q) Topic : Definition of Convergence.	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :

Week work load : 10

b) Casual leaves availed : Nil

Signature

Ac. Co.

Principal

WEEKLY DIARY

MONTH OF: May 2022

Timing of the Period	Time :	Time :	Time :	Time :
Day and Date	Time :	Time :	Time :	Time :
MONDAY DATE : 30/5/2022	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic : single sample sign test
TUESDAY DATE : 31/5/2022	Class : Topic :	Class : Topic : Practical	Class : Topic : Definition of SLN	Class : Topic : paired sample sign test
WEDNESDAY DATE : 01/6/2022	Class : Topic : fresh air	Class : Topic : fresh air	Class : Topic : signed rank test	Class : Topic : Total so class
THURSDAY DATE : 02/6/2022	Class : Topic :	Class : Topic : Internal	Class : Topic : Assessment	Class : Topic :
FRIDAY DATE : 03/6/2022	Class : Topic :	Class : Topic : Internal Assessment	Class : Topic : Internal Assessment	Class : Topic :
SATURDAY DATE : 04/6/2022	Class : Topic :	Class : Topic : Central limit theorem	Class : Topic :	Class : Topic :

a) This week work load OFb) Casual leaves availed Nil

Ac. Co.

Principal



Mr. Sc. (Mallu) 2022-23

VAAGDEVI DEGREE & P.G. COLLEGE

KISHANPURA, HANAMKONDA - 506 001. T.S.

TEACHING DIARY FOR THE U.G./P.G. COURSES - 086/117

Academic Year 2022 - 2023

Name: Sameena Afreen Subject: Maths

Dept. of Mathematics - P.G. Lecturer's I.D. No.

ALMANAC

Academic Year.....2022-23.....

PARTICULARS	SEMESTER : I	SEMESTER : II	SEMESTER :
Commencement of Classes & last date of Re-admission	31/10/2022	26/9/2022	
I-Internal Assessment Test	22/12/2022, 23/12/2022	11/11/2022, 12/11/2022	
II-Internal Assessment Test	9/2/2023 & 10/2/2023	27/12/2022, 28/12/2022	
Last day of Instruction	23/2/2023	23/1/2023	
Preparation holidays and practical examinations	24/2/2023 to 26/2/2023	24/1/2023 - 26/1/2023	
Commencement of examinations	27/2/2023	27/1/2023	

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Principal

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TEACHING PLAN

Paper : partial Differential equations Semester : III

Subject :

Lectur No.	Date	Topic
26/9/2022		Formation of first order PDE
27/9		Solution of linear first order PDE
28/9		Lagrange's method
29/9		Integral surface passing through a c.
11/10		Surface orthogonal to a system of surfaces
12/10		compatibility of first order PDE
13/10		classification of the soln of the PDE
18/10		Soln of Non-linear PDE of first order
19/10		Charpit's method
20/10		Jacobi's method
26/10		Clairaut's eqns and other forms
27/10		Second order PDE's
31/10		Method of solving L.P.D.E's
1/11		classification of second order PDE
2/11		problems on xy linear or curvilinear
3/11		problems on x^2, y^2
7/11		problems on xy, v
9/11		classification of second order PDE
10/11		problems
14/11		canonical forms
15/11		hyperbolic eqns

11/11, 12/11 → 2 Internal Assessments. R328

Lectur No.	Date	Topic
22	16/11	problems
23	17/11	parabolic eqns and problems
24	21/11	Elliptic eqns and problems
25	22/11	Boundary value problems of F.K
26	23/11	separation of variable method
27	24/11	problems
28	28/11	Laplace eqn in polar coordinates
29	29/11	Soln of L.E in " " "
30	30/11	problems
31	1/12	Laplace eqn in cylindrical coordinates
32	5/12	Soln of L.E in " " "
33	6/12	problems
34	7/12	L.E in spherical coordinates
35	8/12	problems
36	13/12	Interior Dirichlet problem for a sphere
37	18/12	Exterior Dirichlet problem for a sphere
38	18/12	Diffusion eqn
39	15/12	separation of v.m.
40	19/12	D.E in cylindrical coordinates
41	21/12	Soln of D.E in c.c.
42	22/12	Soln of cylindrical coordinates

R328
Principal
Vaagdevi Degree & P.G. College

TEACHING PLAN

Paper :

Semester :

Subject :

Lectur No.	Date	Topic
43	27/12	1 Internal Assessments -
44	28/12	
45	29/12	D.E in spherical coordinates
46	29/11/2022	Soln of Diff eqn in S.C.
47	30/11	D'Alembert Soln of one dimensional D.E.
48	4/11	Wave eqn.
49	5/11	Separation of variables
50	9/11	Two dimensional wave eqn.
51	23/11	Solns, problems
52	11/11	2 Internal Assessments -
53	12/11	
54		
55		
56		
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61		
62		
63		

27/12

Lectur No.	Date	Topic
64		
65		
66		
67		
68		
69		
70		
71		
72		
73		
74		
75		
76		
77		
78		
79		
80		
81		
82		
83		
84		

11/12

TEACHING PLAN

Paper :- Stat V

Semester : I

Subject : Fundamental of Statistics

Lectur No.	Date	Topic
22	9/12	Expectation of a linear combination of r.v's
23	14/12	Covariance
24	15/12	Variance of d.c of r.v's
25	16/12	Problems on variates
26	17/12	Problems on variance and covariance
27	21/12	Moment of generating fn
28	24/12	Problems on generating fn
29	24/12	Chebyshev's Inequality
30	28/12	Problems on above topics
31	29/12	Covariations
32	30/12	Covariation problems
33	31/12	Linear Regressions
34	4/1/2023	Regression Lines
35	5/1	Angle b/w Two Regression Lines
36	7/1	Problems
37	7/1	Discrete Distribution
38	21/1, 21/1	Bernoulli's Distribution
39	25/1	moments, mgf
40	27/1	cgf, cf
41	28/1	additive property
42	28/1	Binomial Distribution

Bul

Lectur No.	Date	Topic
22	9/12	Expectation of a linear combination of r.v's
23	14/12	Covariance
24	15/12	Variance of d.c of r.v's
25	16/12	Problems on variates
26	17/12	Problems on variance and covariance
27	21/12	Moment of generating fn
28	24/12	Problems on generating fn
29	24/12	Chebyshev's Inequality
30	28/12	Problems on above topics
31	29/12	Covariations
32	30/12	Covariation problems
33	31/12	Linear Regressions
34	4/1/2023	Regression Lines
35	5/1	Angle b/w Two Regression Lines
36	7/1	Problems
37	7/1	Discrete Distribution
38	21/1, 21/1	Bernoulli's Distribution
39	25/1	moments, mgf
40	27/1	cgf, cf
41	28/1	additive property
42	28/1	Binomial Distribution

TEACHING PLAN

Paper : Mathematical Statistics Semester : III

Subject :

Lectur No.	Date	Topic
43	11/2/2021	problems on $B(n, p)$
44	21/2	moments, mgf
45	3/2	cgf, EF
46	4/2	additive property, pbs
47	4/2	poisson's Distribution
48	8/2	moments of poisson's Distribution
49	8/2	mgf of "
50	11/2	cgf of "
51	15/2	CF of "
52	16/2	Geometric Distribution, moments
53	17/2	cgf, mgf of G.D
54	23/2	moments of Normal Distribution
55	22/12/2023	I Internal Assessment
56	23/12/2023	
57	9/1/2023	II Internal Assessment
58	10/1/2023	
59	23/2	mgf, cgf and CF of Normal Distribution
60	23/2	problems on N.D
61		
62		
63		

Lectur No.	Date	Topic	Unit
64			1
65			1
66			1
67			1
68			1
69			1
70			1
71			1
72			1
73			1
74			1
75			1
76			1
77			1
78			1
79			1
80			1
81			1
82			1
83			1
84			1

DIARY		MONTH OF : September 2022					
Day of the Period	Time	Time	Time	Time	Time	Time	Time
MONDAY 26/9/2022	Time : 9:00 - 9:50 Class : MSC III sem Topic : Formation of first order PDE	Time : 10:40 - 11:30 Class : Topic :	Time : Class : Topic :	Time : Class : Topic :	Time : Class : Topic :	Time : Class : Topic :	Time : Class : Topic :
TUESDAY 27/9	Time : Class : MSC III sem Topic : solution of linear first order PDE	Time : Class : Topic :	Time : Class : Topic :	Time : Class : Topic :	Time : Class : Topic :	Time : Class : Topic :	Time : Class : Topic :
WEDNESDAY 28/9	Time : Class : Topic :	Time : Class : Topic :	Time : Class : Topic :	Time : Class : Topic :	Time : Class : Topic :	Time : Class : Topic :	Time : Class : Topic :
THURSDAY 29/9	Time : Class : Topic :	Time : Class : Topic :	Time : Class : Topic :	Time : Class : Topic :	Time : Class : Topic :	Time : Class : Topic :	Time : Class : Topic :
FRIDAY 30/9	Time : Class : Topic :	Time : Class : Topic :	Time : Class : Topic :	Time : Class : Topic :	Time : Class : Topic :	Time : Class : Topic :	Time : Class : Topic :
SATURDAY 1/10	Time : Class : Topic :	Time : Class : Topic :	Time : Class : Topic :	Time : Class : Topic :	Time : Class : Topic :	Time : Class : Topic :	Time : Class : Topic :

Principal

Ac. Co.

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4

work load

b) Casual leaves availed

TEACHING DIARY

DATE: 10/10/2022

MONTH OF: October 2022

Day and Date	Time : 9:00 - 9:50 am	Time :	Time : 10:40 - 11:30 am	Time :	Time :	Time :
MONDAY 10/10/2022	Class : Topic :	Class : Topic : Dussehra Holiday	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :
TUESDAY 11/10	Class : MSc III sem Topic : Surface orthogonal to a system of surfaces	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :
WEDNESDAY 12/10	Class : Topic :	Class : Topic :	Class : MSc III sem Topic : compatibility of first order PDE	Class : Topic :	Class : Topic :	Class : Topic :
THURSDAY 13/10	Class : Topic :	Class : Topic :	Class : MSc III sem Topic : classification of a soln of a PDE	Class : Topic :	Class : Topic :	Class : Topic :
FRIDAY 14/10	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :
SATURDAY 15/10	Class : Topic :	Class : Topic : → C.L. ←	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :

3

work load

b) Casual leaves availed

Principal

Ac. Co.

WEEKLY DIARY

MONTH OF: October 2022

Timing of the Period Day and Date	Time :	Time :	Time :	Time :	Time :	Time :
MONDAY DATE : <u>14/10/2022</u>	Time : <u>9:00-9:50</u> Class : Topic :	Time : Class : Topic : <u>C.L</u>	Time : <u>10:40-11:30</u> Class : Topic :	Time : Class : Topic :	Time : Class : Topic :	Time : Class : Topic :
TUESDAY DATE : <u>18/10</u>	Class : <u>MSC III sem</u> Topic : <u>Soln of non-linear PDE of first order</u>	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :
WEDNESDAY DATE : <u>19/10</u>	Class : Topic :	Class : Topic :	Class : <u>MSC III sem</u> Topic : <u>Chapit's method</u>	Class : Topic :	Class : Topic :	Class : Topic :
THURSDAY DATE : <u>20/10</u>	Class : Topic :	Class : Topic :	Class : <u>MSC III sem</u> Topic : <u>Jacobi's method</u>	Class : Topic :	Class : Topic :	Class : Topic :
FRIDAY DATE : <u>21/10</u>	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :
SATURDAY DATE : <u>22/10</u>	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :

a) This week work load 2b) Casual leaves availed 1

Ac. Co.

Principal

DAILY DIARY		MONTH OF: <u>October - 2022</u>					
Timing of the Period Day and Date	Time :	Time :	Time :	Time :	Time :	Time :	
MONDAY <u>24/10/2022</u>	Class : Topic :	Class : Topic : <u>Diwali Holidays</u>	Class : Topic : <u>Class</u>	Class : Topic : <u>22/10/2022</u>	Class : Topic : <u>22/10/2022</u>	Class : Topic : <u>22/10/2022</u>	
TUESDAY <u>25/10</u>	Class : Topic :	Class : Topic : <u>C.L</u>	Class : Topic : <u>C.L</u>	Class : Topic : <u>23/10/2022</u>	Class : Topic : <u>23/10/2022</u>	Class : Topic : <u>23/10/2022</u>	
WEDNESDAY <u>26/10</u>	Class : Topic :	Class : Topic : <u>C.L</u>	Class : Topic : <u>MSC in sem classmate's eqn and other forms</u>	Class : Topic : <u>24/10/2022</u>	Class : Topic : <u>24/10/2022</u>	Class : Topic : <u>24/10/2022</u>	
THURSDAY <u>27/10</u>	Class : Topic :	Class : Topic : <u>C.L</u>	Class : Topic : <u>MSC in sem second order PDE's</u>	Class : Topic : <u>25/10/2022</u>	Class : Topic : <u>25/10/2022</u>	Class : Topic : <u>25/10/2022</u>	
FRIDAY <u>28/10</u>	Class : Topic :	Class : Topic : <u>C.L</u>	Class : Topic : <u>C.L</u>	Class : Topic : <u>26/10/2022</u>	Class : Topic : <u>26/10/2022</u>	Class : Topic : <u>26/10/2022</u>	
SATURDAY <u>29/10</u>	Class : Topic :	Class : Topic : <u>C.L</u>	Class : Topic : <u>C.L</u>	Class : Topic : <u>27/10/2022</u>	Class : Topic : <u>27/10/2022</u>	Class : Topic : <u>27/10/2022</u>	

work load

2

b) Casual leaves availed

2

Principal

Ac. Co.

Principal

WEEKLY DIARY

MONTH OF : October - November 2022

Timing of the Period Day and Date	Time : 9:50 - 10:40 AM	Time : 10:40 - 11:30 AM	Time :	Time :
MONDAY DATE : 31/10/2022	Class : MSC I sem Topic : Method of solving linear P.D.E's	Class : MSC I sem Topic : Introduction, Measure of central tendency	Class : MSC I sem Topic : problems on e.g. sin, cos, tan	Class : Topic :
TUESDAY DATE : 1/11	Class : MSC I sem Topic : classification of second order PDE	Class : MSC I sem Topic :	Class : Topic :	Class : Topic :
WEDNESDAY DATE : 2/11	Class : Topic :	Class : MSC I sem Topic : Measure of Dispersion	Class : MSC I sem Topic : problems on e.g.	Class : Topic :
THURSDAY DATE : 3/11	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :
FRIDAY DATE : 4/11	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :
SATURDAY DATE : 5/11	Class : MSC I sem Topic : Moments, problems	Class : Topic :	Class : Topic :	Class : Topic :

a) This week work load 7b) Casual leaves availed 1H.O.D. [Signature] Ac. Co. [Signature]Principal [Signature]

DIARY		MONTH OF: November 2022					
Day of the Period	Time	Time	Time	Time	Time	Time	Time
MONDAY 11/11/22	9:00 - 9:50 AM Class: MSC I sem Topic: problems on e.v	9:50 - 10:40 AM Class: MSC I sem Topic: central and non central moments	10:40 - 11:30 AM Class: MSC I sem Topic: classification of second order PDE	11:30 - 12:20 PM Class: MSC I sem Topic: problems on c.m and N.C.M	12:20 - 1:10 PM Class: MSC I sem Topic: skewness, kurtosis	1:10 - 2:00 PM Class: MSC I sem Topic: probability	2:00 - 2:50 PM Class: MSC I sem Topic: probability
TUESDAY 12/11/22	9:00 - 9:50 AM Class: MSC I sem Topic: problems on e.v	9:50 - 10:40 AM Class: MSC I sem Topic: central and non central moments	10:40 - 11:30 AM Class: MSC I sem Topic: classification of second order PDE	11:30 - 12:20 PM Class: MSC I sem Topic: problems on c.m and N.C.M	12:20 - 1:10 PM Class: MSC I sem Topic: skewness, kurtosis	1:10 - 2:00 PM Class: MSC I sem Topic: probability	2:00 - 2:50 PM Class: MSC I sem Topic: probability
WEDNESDAY 13/11/22	9:00 - 9:50 AM Class: MSC I sem Topic: problems on e.v	9:50 - 10:40 AM Class: MSC I sem Topic: central and non central moments	10:40 - 11:30 AM Class: MSC I sem Topic: classification of second order PDE	11:30 - 12:20 PM Class: MSC I sem Topic: problems on c.m and N.C.M	12:20 - 1:10 PM Class: MSC I sem Topic: skewness, kurtosis	1:10 - 2:00 PM Class: MSC I sem Topic: probability	2:00 - 2:50 PM Class: MSC I sem Topic: probability
THURSDAY 14/11/22	9:00 - 9:50 AM Class: MSC I sem Topic: problems on e.v	9:50 - 10:40 AM Class: MSC I sem Topic: central and non central moments	10:40 - 11:30 AM Class: MSC I sem Topic: classification of second order PDE	11:30 - 12:20 PM Class: MSC I sem Topic: problems on c.m and N.C.M	12:20 - 1:10 PM Class: MSC I sem Topic: skewness, kurtosis	1:10 - 2:00 PM Class: MSC I sem Topic: probability	2:00 - 2:50 PM Class: MSC I sem Topic: probability
FRIDAY 15/11/22	9:00 - 9:50 AM Class: MSC I sem Topic: problems on e.v	9:50 - 10:40 AM Class: MSC I sem Topic: central and non central moments	10:40 - 11:30 AM Class: MSC I sem Topic: classification of second order PDE	11:30 - 12:20 PM Class: MSC I sem Topic: problems on c.m and N.C.M	12:20 - 1:10 PM Class: MSC I sem Topic: skewness, kurtosis	1:10 - 2:00 PM Class: MSC I sem Topic: probability	2:00 - 2:50 PM Class: MSC I sem Topic: probability
SATURDAY 16/11/22	9:00 - 9:50 AM Class: MSC I sem Topic: problems on e.v	9:50 - 10:40 AM Class: MSC I sem Topic: central and non central moments	10:40 - 11:30 AM Class: MSC I sem Topic: classification of second order PDE	11:30 - 12:20 PM Class: MSC I sem Topic: problems on c.m and N.C.M	12:20 - 1:10 PM Class: MSC I sem Topic: skewness, kurtosis	1:10 - 2:00 PM Class: MSC I sem Topic: probability	2:00 - 2:50 PM Class: MSC I sem Topic: probability

WEEKLY DIARY		MONTH OF: November - 2022					
Timing of the Period Day and Date		Time :	Time :	Time :	Time :	Time :	Time :
MONDAY DATE : 14/11/2022	Class : Topic :	Time : 9:00 - 9:50 AM	Time : 9:50 - 10:40 AM	Time : 10:40 - 11:30 AM	Time :	Time :	Time :
	MSC I sem Canonical forms				Class : Topic :	Class : Topic :	Class : Topic :
TUESDAY DATE : 15/11	Class : Topic :	Time : 9:00 - 9:50 AM	Time : 9:50 - 10:40 AM	Time : 10:40 - 11:30 AM	Time :	Time :	Time :
	MSC I sem Hyperbolic eqns				Class : Topic :	Class : Topic :	Class : Topic :
WEDNESDAY DATE : 16/11	Class : Topic :	Time : 9:00 - 9:50 AM	Time : 9:50 - 10:40 AM	Time : 10:40 - 11:30 AM	Time :	Time :	Time :
			MSC I sem Mathematical Def of probability	MSC I sem problems	Class : Topic :	Class : Topic :	Class : Topic :
THURSDAY DATE : 17/11	Class : Topic :	Time : 9:00 - 9:50 AM	Time : 9:50 - 10:40 AM	Time : 10:40 - 11:30 AM	Time :	Time :	Time :
			MSC I sem Mathematical properties	MSC I sem parabolic eqns and its problems	Class : Topic :	Class : Topic :	Class : Topic :
FRIDAY DATE : 18/11	Class : Topic :	Time : 9:00 - 9:50 AM	Time : 9:50 - 10:40 AM	Time : 10:40 - 11:30 AM	Time :	Time :	Time :
	MSC I sem Probability - theorems		MSC I sem - theorems, conditional probability		Class : Topic :	Class : Topic :	Class : Topic :
SATURDAY DATE : 19/11	Class : Topic :	Time : 9:00 - 9:50 AM	Time : 9:50 - 10:40 AM	Time : 10:40 - 11:30 AM	Time :	Time :	Time :
				C.L.F	Class : Topic :	Class : Topic :	Class : Topic :

a) This week work load 8 b) Casual leaves availed 1 Ac. Co. Principal

TEACHING DIARY

MONTH OF: November 2022

Day and Date	Time : 9:00 - 9:50 AM	Time : 9:50 - 10:40 AM	Time : 10:40 - 11:30 AM	Time :	Time :	Time :
MONDAY 20/11/2022	Class : MSC Isem Topic : elliptic eqns and its problems.	Class : MSC Isem Topic : Bayes' theorem	Class : MSC Isem Topic : operation of variable method	Class : MSC Isem Topic : problems	Class : MSC Isem Topic : problems	Class : MSC Isem Topic : problems
TUESDAY 22/11	Class : MSC Isem Topic : Boundary value problems of first kind.	Class : MSC Isem Topic : Bayes' theorem	Class : MSC Isem Topic : operation of variable method	Class : MSC Isem Topic : problems	Class : MSC Isem Topic : problems	Class : MSC Isem Topic : problems
WEDNESDAY 23/11	Class : MSC Isem Topic : Bayes' theorem	Class : MSC Isem Topic : operation of variable method	Class : MSC Isem Topic : problems	Class : MSC Isem Topic : problems	Class : MSC Isem Topic : problems	Class : MSC Isem Topic : problems
THURSDAY 24/11	Class : MSC Isem Topic : Random Variables and its problems	Class : MSC Isem Topic : problems	Class : MSC Isem Topic : problems	Class : MSC Isem Topic : problems	Class : MSC Isem Topic : problems	Class : MSC Isem Topic : problems
FRIDAY 25/11	Class : MSC Isem Topic : Random Variables and its problems	Class : MSC Isem Topic : problems	Class : MSC Isem Topic : problems	Class : MSC Isem Topic : problems	Class : MSC Isem Topic : problems	Class : MSC Isem Topic : problems
SATURDAY 26/11	Class : MSC Isem Topic : Random Variables and its problems	Class : MSC Isem Topic : problems	Class : MSC Isem Topic : problems	Class : MSC Isem Topic : problems	Class : MSC Isem Topic : problems	Class : MSC Isem Topic : problems

Ac. Co. Principal

b) Casual leaves availed 1

8

work load

WEEKLY DIARY		MONTH OF: November - December - 2022					
Timing of the Period Day and Date		Time :	Time :	Time :	Time :	Time :	Time :
MONDAY DATE : 28/11/2022	Class : Topic :	Time : 9:00 - 9:50 am	Time : 9:50 - 10:40 am	Time : 10:40 - 11:30 am	Time :	Time :	Time :
	Laplace eqn in polar coordinates	Class : Topic : MSc I sem	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :
TUESDAY DATE : 29/11	Class : Topic :	Time :	Time :	Time :	Time :	Time :	Time :
	Soln of A.E in polar coordinates	Class : Topic : MSc I sem	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :
WEDNESDAY DATE : 30/11	Class : Topic :	Time :	Time :	Time :	Time :	Time :	Time :
		Class : Topic : MSc I sem	Class : Topic : Probability mass function	Class : Topic : MSc I sem	Class : Topic : Problems	Class : Topic :	Class : Topic :
THURSDAY DATE : 1/12	Class : Topic :	Time :	Time :	Time :	Time :	Time :	Time :
		Class : Topic : MSc I sem	Class : Topic : Probability density fn	Class : Topic : MSc I sem	Class : Topic : Laplace eqn in cylindrical coordinates	Class : Topic :	Class : Topic :
FRIDAY DATE : 2/12	Class : Topic :	Time :	Time :	Time :	Time :	Time :	Time :
	Problems on pdf	Class : Topic : MSc I sem	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :
SATURDAY DATE : 3/12	Class : Topic :	Time :	Time :	Time :	Time :	Time :	Time :
	Problems on pdf	Class : Topic : MSc I sem	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :

a) This week work load

8

b) Casual leaves availed

—

Ac. Co.

Principal

MONTH OF : <u>December</u> -2022						
DAY	Time : 9:00 - 9:50	Time : 9:50 - 10:40	Time : 10:40 - 11:30	Time :	Time :	Time :
MONDAY 12/12/22	Class : MSC I sem Topic : <u>Soln of L.E in cylindrical coordinates</u>	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :
TUESDAY 13/12	Class : MSC I sem Topic : <u>problems</u>	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :
WEDNESDAY 14/12	Class : Topic :	Class : MSC I sem Topic : <u>Mathematical expectations</u>	Class : MSC I sem Topic : <u>lineareq in spherical coordinates</u>	Class : Topic :	Class : Topic :	Class : Topic :
THURSDAY 15/12	Class : Topic :	Class : MSC I sem Topic : <u>Expectation of fn of x.v, M.T.D.E</u>	Class : MSC I sem Topic : <u>problems</u>	Class : Topic :	Class : Topic :	Class : Topic :
FRIDAY 16/12	Class : MSC I sem Topic : <u>Expectation of a lineay combination of x.v's</u>	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :
SATURDAY 17/12	Class : Topic :	Class : Topic :	Class : Topic : <u>p.c.l.t</u>	Class : Topic :	Class : Topic :	Class : Topic :

work load

7

b) Casual leaves availed

1

Principal

Ac. Co.

Principal

WEEKLY DIARY

MONTH OF: December2022

Timing of the Period Day and Date	Time : 9:50 - 9:50 AM	Time : 9:50 - 10:40 AM	Time : 10:40 - 11:30 AM	Time :	Time :	Time :
MONDAY DATE : <u>12/12/22</u>	Class : MSC Isem Topic : <u>Interior Dirichlet problem for circle</u>	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :
TUESDAY DATE : <u>12/12</u>	Class : MSC Isem Topic : <u>Exterior Dirichlet problem for circle</u>	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :
WEDNESDAY DATE : <u>14/12</u>	Class : Topic :	Class : MSC Isem Topic : <u>covariance</u>	Class : MSC Isem Topic : <u>Dispersion</u>	Class : Topic :	Class : Topic :	Class : Topic :
THURSDAY DATE : <u>15/12</u>	Class : Topic :	Class : MSC Isem Topic : <u>variance of d.c of z.v's</u>	Class : MSC Isem Topic : <u>separation of variable method</u>	Class : Topic :	Class : Topic :	Class : Topic :
FRIDAY DATE : <u>16/12</u>	Class : MSC Isem Topic : <u>problems on variables</u>	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :
SATURDAY DATE : <u>17/12</u>	Class : MSC Isem Topic : <u>problems on variance and covariance</u>	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :

a) This week work load 8b) Casual leaves availed —

Ac. Co.

Principal

MONTH OF : December - 2022		Time : 9:50-10:40 AM		Time : 10:40-11:20 AM		Time :		Time :	
of the Period	and Date	Time : 9:50-10:40 AM	Class : Topic :	Time : 10:40-11:20 AM	Class : Topic :	Time :	Class : Topic :	Time :	Class : Topic :
SUNDAY	12/01/2022	Class : MSC I sem Topic : Differential eqs in cylindrical coordinates	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :
TUESDAY	12/02/2022	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :
WEDNESDAY	12/03/2022	Class : Topic :	Class : MSC I sem Topic : moment generating function	Class : MSC I sem Topic : Soln of D.E in cylindrical coordinates	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :
THURSDAY	12/04/2022	Class : Topic :	Class : Topic :	Class : MSC I sem Topic : Soln of cylindrical coordinates	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :
FRIDAY	12/05/2022	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :
SATURDAY	12/06/2022	Class : MSC I sem Topic : problems on mgf	Class : Topic :	Class : MSC I sem Topic : chebyshev's Inequality	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :

WEEKLY DIARY						
MONTH OF : <u>December - 2022</u>						
Timing of the Period	Time : 9:00 - 9:50 AM	Time : 9:50 - 10:40 AM	Time : 10:40 - 11:30 AM	Time : 11:30 - 12:20	Time :	Time :
Day and Date						
MONDAY DATE : <u>26/12/22</u>	Class : Topic :	Class : Topic : <u>Boxing day</u>	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic : <u>2:20 PM - 3:00 PM</u> <u>Topic : Information</u>
TUESDAY DATE : <u>27/12</u>	Class : Topic :	Class : Topic : <u>Internal Assessment</u>	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :
WEDNESDAY DATE : <u>28/12</u>	Class : Topic : <u>for III</u>	Class : Topic : <u>MSC Isem</u> <u>problems on above topics</u>	Class : Topic : <u>MSC Isem</u>	Class : Topic :	Class : Topic :	Class : Topic :
THURSDAY DATE : <u>29/12</u>	Class : Topic :	Class : Topic : <u>MSC Isem</u> <u>correlation</u>	Class : Topic : <u>MSC Isem</u> <u>D.E in spherical coordinates</u>	Class : Topic :	Class : Topic :	Class : Topic :
FRIDAY DATE : <u>30/12</u>	Class : Topic : <u>correlation problems</u>	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :
SATURDAY DATE : <u>31/12</u>	Class : Topic : <u>MSC Isem</u> <u>Linear Regression</u>	Class : Topic : <u>MSC Isem</u> <u>correlation</u> <u>total = 90 points</u>	Class : Topic : <u>MSC Isem</u>	Class : Topic : <u>MSC Isem</u> <u>problems</u>	Class : Topic :	Class : Topic : <u>2:20 PM - 3:00 PM</u> <u>Topic : Engineering</u>

a) This week work load 4

b) Casual leaves availed —

Ac. Co. Prof. S.

Principal [Signature]

MONTH OF: January - 2023						
DIARY	Time	Class	Topic	Time	Class	Topic
SUNDAY	Time: 9:00-9:50 AM	Class: MSC I sem	Solution of Differential eq in spherical coordinates.	Time: 10:40-11:30 AM	Class: MSC I sem	Wave equation
TUESDAY	Time: 9:00-9:50 AM	Class: MSC I sem	D'Alembert soln of one dimensional D.E.	Time: 10:40-11:30 AM	Class: MSC I sem	Regression Lines
WEDNESDAY	Time: 9:00-9:50 AM	Class: MSC I sem	Angle b/w two Regression Lines	Time: 10:40-11:30 AM	Class: MSC I sem	Angle b/w two Regression Lines
THURSDAY	Time: 9:00-9:50 AM	Class: MSC I sem	Angle b/w two Regression Lines	Time: 10:40-11:30 AM	Class: MSC I sem	Angle b/w two Regression Lines
FRIDAY	Time: 9:00-9:50 AM	Class: MSC I sem	Angle b/w two Regression Lines	Time: 10:40-11:30 AM	Class: MSC I sem	Angle b/w two Regression Lines
SATURDAY	Time: 9:00-9:50 AM	Class: MSC I sem	problems	Time: 10:40-11:30 AM	Class: MSC I sem	Discrete Distribution

WEEKLY DIARY		MONTH OF : January - 2022					
Timing of the Period Day and Date		Time :	Time :	Time :	Time :	Time :	Time :
MONDAY DATE : 9/1/2022		Class : MSc IISem Topic : two dimensional wave eqn	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :
		Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :
TUESDAY DATE : 10/1		Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :
		Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :
WEDNESDAY DATE : 11/1		Class : Topic : Bankanti Holidays	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :
		Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :
THURSDAY DATE : 12/1		Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :
		Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :
FRIDAY DATE : 13/1		Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :
		Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :
SATURDAY DATE : 14/1		Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :
		Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :

a) This week work load

b) Casual leaves availed

Ac. Co.

Principal

TEACHER DIARY

Working of the Period
Day and Date

MONTH OF : January

Working of the Period Day and Date	Time : 9:00 - 9:50 AM	Time :	Time :	Time : 11:30 - 12:20 AM	Time :
MONDAY 16/1/2022	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :
TUESDAY 17/1/2022	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :
WEDNESDAY 18/1	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :
THURSDAY 19/1	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :
FRIDAY 20/1	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :
SATURDAY 21/1	Class : Topic : Bernoulli's Distribution	Class : Topic :	Class : Topic :	Class : Topic : MSC I sem Problems	Class : Topic :

Actual work load

2

b) Casual leaves availed

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H. B. B.

Ac. Co.

Principal

MONTH OF : January - 2022

WEEKLY DIARY

Timing of the Period Day and Date	Time : 9:00 - 9:50 AM	Time : 9:50 - 10:40 AM	Time :	Time : 11:30 - 12:20 PM	Time :
MONDAY DATE : 22/1/2022	Class : MSC I sem Topic : solutions of two dimensional wave eq and problems	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :
TUESDAY DATE : 24/1	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :
WEDNESDAY DATE : 25/1	Class : Topic :	Class : MSC I sem Topic : moments, mgf	Class : Topic :	Class : Topic :	Class : Topic :
THURSDAY DATE : 26/1	Class : Topic : Republic Day	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :
FRIDAY DATE : 27/1	Class : MSC I sem Topic : cgf, cf.	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :
SATURDAY DATE : 28/1	Class : MSC I sem Topic : Additive property	Class : Topic :	Class : Topic :	Class : MSC I sem Topic : Binomial Distribution	Class : Topic :

a) This week work load

b) Casual leaves availed

Ac. Co.

Principal

TEACHING DIARY

Page No. 197 TO 200

MONTH OF : January - February - 2022

Group of the Period Day and Date	Time : 9:00 - 9:50 am	Time : 9:50 - 10:40 am	Time :	Time : 11:30 - 12:30 am	Time :	Time :
MONDAY 30/1/2022	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :
TUESDAY 31/1	Class : Topic :	Class : Topic : 14 problems	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :
WEDNESDAY 1/2/2022	Class : Topic :	Class : Msc I sem Topic : problems on B(n,p)	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :
THURSDAY 2/2	Class : Topic :	Class : Msc I sem Topic : moments, mgf.	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :
FRIDAY 3/2	Class : Msc I sem Topic : cgf, cf.	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :
SATURDAY 4/2	Class : Msc I sem Topic : Additive property, problems	Class : Topic :	Class : Topic :	Class : Msc I sem Topic : poisson's Distribution	Class : Topic :	Class : Topic :

work load

5

b) Casual leaves availed

0

Ac. Co.

Principal

WEEKLY DIARY		MONTH OF: February - 2023					
Timing of the Period		Time	Time	Time	Time	Time	Time
Day and Date		Class	Class	Class	Class	Class	Class
MONDAY		Topic	Topic	Topic	Topic	Topic	Topic
DATE: 6/2/2023							
TUESDAY							
DATE: 7/2/2023							
WEDNESDAY							
DATE: 8/2							
THURSDAY							
DATE: 9/2							
FRIDAY							
DATE: 10/2							
SATURDAY							
DATE: 11/2							

a) This week work load 3 b) Casual leaves availed — Ac. Co. 2 Principal 2

MONTH OF : February-2022

Day of the Period	Time : 9:00-9:50	Time : 9:50-10:40	Time : 10:40-11:30	Time : 11:30-12:20	Time :	Time :
SUNDAY	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :
MONDAY	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :
TUESDAY	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :
WEDNESDAY	Class : Topic :	Class : Topic : MSC Isem CF of Binomial P(X) Geometric distribution moments	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :
THURSDAY	Class : Topic :	Class : Topic : MSC Isem moments of geometric Geometric distribution	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :
FRIDAY	Class : Topic : MSC Isem cf, mgf of G.D.	Class : Topic :	Class : Topic :	Class : Topic : MSC Isem problems on G.D	Class : Topic :	Class : Topic :
SATURDAY	Class : Topic :	Class : Topic : → Shiva Rathis	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :

Principal

Ac. Co.

b) Casual leaves availed

4

work load

MONTH OF : February - 2023

WEEKLY DIARY							
Timing of the Period	Time :	Time : 9:50 - 10:40	Time : 10:40 - 11:30	Time : 11:30 - 12:20	Time :	Time :	Time :
Day and Date	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :
MONDAY DATE : 20/2/2023							
TUESDAY DATE : 21/2							
WEDNESDAY DATE : 22/2		Class : Msc I sem Topic : Normal Distribution					
THURSDAY DATE : 23/2		Class : Msc I sem Topic : Moments of N.D.	Class : Msc I sem Topic : mgf and cgf of N.D.	Class : Msc I sem Topic : problems on N.D.			
FRIDAY DATE : 24/2		Class : 32M Topic : no work			Class : Topic : 40 April 1980		
SATURDAY DATE : 25/2							



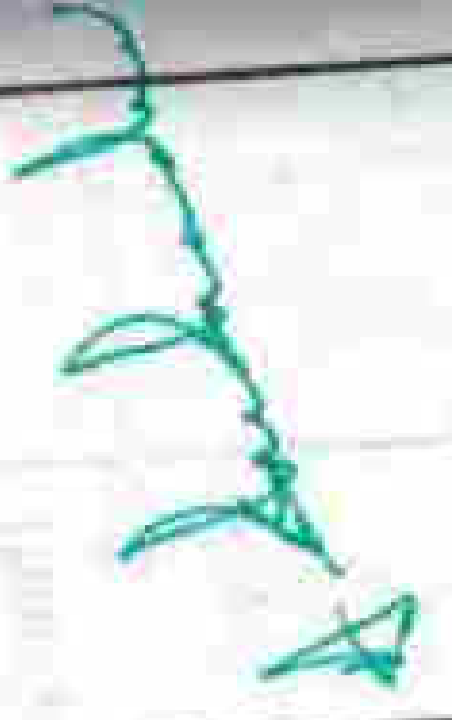
Sameena Afjeen

Mathématiques

September - 2022

No. of Teaching Days	Actual work load allotted as per the Time-Table	No. of Classes taken	Syllabus covered Month-wise	Steps proposed to be taken or the coverage, if not covered	No. of Casual leaves availed	Signature of the Teacher	Signature of the Head of the Department	Signature of the Principal
1	2	3	4	5	6	7	8	9
26	Theory 4 Practical 4 Total 4	Theory 4 Practical 1 Total 4		covered				
	MSc in Chem → Formation of first order PDE, Solution of linear first order PDE, Lagrange's method, Integral surface passing through a given curve.							

MONTHLY-WISE PLAN SHEET FOR CURRICULAR PROGRAMMES FOR THE YEAR 2022-2023

Sameena Afreen		Mathematics	October			
Actual work load allotted as per the Time-Table	No. of Classes taken	Syllabus covered Month-wise	Steps proposed to be taken or the coverage, if not covered	No. of Casual leaves availed	Signature of the Teacher	Signature of the Head of the Department
2	3	4	5	6	7	8
Theory 9 Practical — Total 9	Theory 9 Practical — Total 9	covered	5	5		
1. surface orthogonal to a system of surface, compatibility of first order PDE, classification of solution of a PDE solution of non-linear PDE of first order charpit's method, Jacobi's method, Clairaut's eq and other forms, Second order PDE, method of solving linear P.D.E's.						
				9		

MONTHLY-WISE PLAN SHEET FOR CURRICULAR PROGRAMMES FOR THE YEAR 2022-2023

November January

Samreena Afreen: Mathematics

Actual work load allotted as per the Time-Table	No. of Classes taken	Syllabus covered Month-wise	Steps proposed to be taken or the coverage, if not covered	No. of Casual leaves availed	Signature of the Teacher	Signature of the Head of the Department	Signature of the Principal
2	3	4	5	6	7	8	9
<p>Theory 14</p> <p>Practical —</p> <p>Total 14</p>	<p>Theory 14</p> <p>Practical —</p> <p>Total 14</p>	<p>covered & completed</p>					
<p>em → soln of D.E in spherical coordinates, D'Alembert & soln and one Dimensional D.E, wave eq, separation of variables, Two D wave eq, soln, problems -</p> <p>em: Regression Line, pbs, Bernoulli's Distribution, pbs, moments, mgf, cgf, cf, additive properties, pbs, binomial binomial distribution,</p>							

Signature of the Teacher

Signature of the Head of the Department

Signature of the Principal

MONTHLY-WISE PLAN SHEET FOR CURRICULAR PROGRAMMES FOR THE YEAR 2022-2023

Sameena Afreen

Mathematics

February

[illegible]



VAAGDEVI DEGREE & P.G. COLLEGE

KISHANPURA, HANAMKONDA - 506 001, T.S.

TEACHING DIARY FOR THE P.G. COURSES - 117

Academic Year 2021 - 2023

Name: Kirana Chennupati Subject: BL, ITES & MGT
Dept. of: Business Management (MBA) Lecturer ID No: _____

NAME OF THE TEACHER: <u>Kavina</u>		TIME TABLE						SUBJECT: <u>Business Law & Ethics</u>	TH & SAT
DAY PERIOD	1st PERIOD (Time 9:15 - 10:45)	2nd PERIOD (Time 10:45 - 12:15)	3rd PERIOD (Time 12:15 - 1:45)	4th PERIOD (Time 1:45 - 3:15)	5th PERIOD (Time 3:15 - 4:45)	6th PERIOD (Time 4:45 - 6:15)	7th PERIOD (Time 6:15 - 7:45)		
MONDAY		MBA - II (A) Business Law & Ethics	MBA - III (A) Business Law & Ethics		MBA - I (A) ITM	MBA - I (B) MOT			
TUESDAY	MBA - I (A) ITM	MBA - II (A) Business Law & Ethics				MBA - I (B) MOT	MBA - II (A) Faculty Lead Activity		
WEDNESDAY	MBA - II (B) Business Law & Ethics		MBA - II (A) Business Law & Ethics	MBA - I (B) MOT	MBA - I (A) ITM				
THURSDAY	MBA - II (A) Business Law & Ethics				MBA - I (A) ITM		MBA - II (B) Faculty Lead Activity		
FRIDAY	MBA - II (B) Business Law & Ethics	MBA - I (B) MOT			MBA - I (A) ITM				
SATURDAY	MBA - I (B) MOT	MBA - II (B) Business Law & Ethics							

[Signature]
HOD

Commencement of MBA Program - Week 1 (October 2022)

WEEKLY DIARY	1	2	3	4	WEEK OF: OCTOBER 2022	
Dating of the Period: Day, Hrs, Min	Time 9:10 - 10:00	Time 10:10 - 10:50	Time 10:10 - 10:50	Time 11:10 - 11:50	Time 12:10 - 1:00	Time 2:10 - 3:00
MONDAY DATE: 17-10-2022	Class: Topic:	Class: MBA-15 (A) Topic: BL Introduction to Business Law	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:
TUESDAY DATE: 18-10-2022	Class: Topic:	Class: MBA-16 (A) Topic: BL Formation of a company	Class: Topic:	Class: MBA-17 (A) Topic: BL Introduction to Business Law	Class: Topic:	Class: Topic:
WEDNESDAY DATE: 19-10-2022	Class: MBA-18 (A) Topic: BL Characteristics of a company	Class: Topic:	Class: MBA-19 (A) Topic: BL Steps involved in registration of a company	Class: Topic:	Class: Topic:	Class: Topic:
THURSDAY DATE: 20-10-2022	Class: Topic:	Class: MBA-20 (A) Topic: BL Steps involved in forming a company	Class: MBA-21 (A) Topic: BL Company meetings	Class: Topic:	Class: Topic:	Class: Topic:
FRIDAY DATE: 21-10-2022	Class: MBA-22 (A) Topic: BL Statutory meeting	Class: Topic:	Class: MBA-23 (A) Topic: BL Annual General Meeting (AGM)	Class: Topic:	Class: Topic:	Class: Topic:
SATURDAY DATE: 22-10-2022	Class: MBA-24 (A) Topic: BL Corporate Law & Investment	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:

(i) This work was done

(ii) Class/Topic/Date

NO. OF

At the

Principal

WEEKLY DIARY		MONTH OF <u>October</u> , 2022				
Timing of the Period	7:30 - 10:00	10:00 - 10:50	10:50 - 11:40	11:40 - 12:50	1:50 - 2:40	2:40 - 3:30
Day and Date	Time	Time	Time	Time	Time	Time
MONDAY DATE: <u>24-10-2022</u>	Class: Topic:	Class: Topic:	Diploma Holiday		Class: Topic:	Class: Topic:
TUESDAY DATE: <u>25-10-2022</u>	Class: Topic:	Class: Topic:	Class: <u>MBN-101</u> Topic: <u>BL</u> <u>Accounts audit</u>	Class: Topic:	Class: Topic:	Class: Topic:
WEDNESDAY DATE: <u>26-10-2022</u>	Class: <u>MBN-101</u> Topic: <u>BL</u> <u>Accounts audit</u>	Class: Topic:	Class: <u>MBN-101</u> Topic: <u>BL</u> <u>Accounts audit</u>	Class: Topic:	Class: Topic:	Class: Topic:
THURSDAY DATE: <u>27-10-2022</u>	Class: Topic:	Class: <u>MBN-101</u> Topic: <u>BL</u> <u>Accounts audit</u>	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:
FRIDAY DATE: <u>28-10-2022</u>	Class: <u>MBN-101</u> Topic: <u>BL</u> <u>Accounts audit</u>	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:
SATURDAY DATE: <u>29-10-2022</u>	Class: Topic:	Class: <u>MBN-101</u> Topic: <u>BL</u> <u>Inspection</u>	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:

At This work was lost _____

In Casual Leave absent _____

[Signature]
HOD

As On _____

Principal _____

WEEKLY DIARY	MONTH OF <u>February</u> 2022					
Time of the Period	Time 1: 07-10:00	Time 2: 10-11:00	Time 3: 11-12:00	Time 4: 12-01:00	Time 5: 01-03:00	Time 6: 03-05:00
Day and Date						
MONDAY DATE: <u>28/02/22</u>	Class: Topic:	Class: <u>MBR-II (A)</u> Topic: <u>EL</u> <u>Investigation</u>	Class: <u>MBR-II (A)</u> Topic: <u>EL</u> <u>Investigation</u>	Class: Topic:	Class: Topic:	Class: Topic:
TUESDAY DATE: <u>01/03/22</u>	Class: Topic:	Class: <u>MBR-II (A)</u> Topic: <u>EL</u> <u>Power and Disruptive Media</u>	Class: Topic: <u>Comp/Secur</u>	Class: Topic:	Class: Topic:	Class: <u>MBR-II (A)</u> Topic: <u>EL</u> <u>Writing Incident report</u>
WEDNESDAY DATE: <u>02/03/22</u>	Class: <u>MBR-II (A)</u> Topic: <u>EL</u> <u>Voluntary window</u> <u>Prison and</u> <u>EL</u>	Class: Topic: <u>Libraries</u>	Class: <u>MBR-II (A)</u> Topic: <u>EL</u> <u>Compromised and</u> <u>arrangement of</u> <u>CA2013</u>	Class: Topic:	Class: Topic:	Class: Topic:
THURSDAY DATE: <u>03/03/22</u>	Class: <u>MBR-II (A)</u> Topic: <u>EL</u> <u>Indian Gated</u> <u>Act, 1972</u>	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: <u>MBR-II (A)</u> Topic: <u>EL</u> <u>Writing SL</u>
FRIDAY DATE: <u>04/03/22</u>	Class: <u>MBR-II (A)</u> Topic: <u>EL</u> <u>Compromised &</u> <u>Arrangement of</u> <u>CA2013</u>	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic: <u>Department meeting (viva-voce)</u> <u>3:00 to 4:00 PM</u>	Class: Topic:
SATURDAY DATE: <u>05/03/22</u>	Class: Topic:	Class: Topic: <u>Co-ordinated</u>	Class: Topic: <u>for MBR-II Sem Viva-voce</u>	Class: Topic:	Class: Topic:	Class: Topic:

4) This work was done

5) Could have worked 1 day

6) D.D.

7) H.C.

8) Signature

WEEKLY DIARY						
Testing of the Form Day and Date	Time 10 - 10:00	Time 10:00 - 10:50	Time 10:50 - 11:40	Time 11:40 - 12:30	Time 1:30 - 2:20	Time 2:20 - 3:10
MONDAY DATE: 14.11.2022	Class: Topic:	Class: Topic: Induction programme	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:
TUESDAY DATE: 15.11.2022	Class: Topic:	Class: Topic: Induction Programme	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:
WEDNESDAY DATE: 16.11.2022	Class: MBA-III (B) Topic: EC Discharge of a contract	Class: Topic:	Class: MBA-III (B) Topic: BL Discharge of a contract	Class: Topic:	Class: Topic:	Class: Topic:
THURSDAY DATE: 17.11.2022	Class: Topic:	Class: MBA-III (B) Topic: BL Remedies for Breach of a contract	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:
FRIDAY DATE: 18.11.2022	Class: MBA-III (B) Topic: BL Remedies for Breach of a contract	Class: Topic:	Class: MBA-III (B) Topic: LTM Introduction	Class: Topic:	Class: Topic:	Class: Topic:
SATURDAY DATE: 19.11.2022	Class: MBA-III (B) Topic: BL Introduction contingent to manage contract essential elements	Class: MBA-III (B) Topic: BL	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:

If this week work load

If class time is not

Signature

As per

Principal

WEEKLY DIARY						
NOVEMBER / December 2023						
Tracking of the Period	I		II		III	
Day and Date	Time 1: 10-12:30	Time 2: 12:30-1:30	Time 1: 10-12:30	Time 2: 12:30-1:30	Time 1: 10-12:30	Time 2: 12:30-1:30
MONDAY DATE: 28-11-2023	Class: MBA-III(A) Topic: Implied conditions	Class: MBA-III(B) Topic: Implied warranties	Class: Topic:	Class: MBA-III(A) Topic: Activity News, applying role of company presentation	Class: MBA-III(A) Topic: ITH- role of company	Class: MBA-III(A) Topic: Activity Formation of number budgets
TUESDAY DATE: 29-11-2023	Class: MBA-III(A) Topic: ITH- phase in decision making	Class: MBA-III(B) Topic: BL Implied warranties	Class: Topic:	Class: Topic:	Class: Topic:	Class: MBA-III(B) Topic: MOT Management as an art science
WEDNESDAY DATE: 30-11-2023	Class: MBA-III(A) Topic: MOT Management as profession	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:
THURSDAY DATE: 01-12-2023	Class: Topic:	Class: Topic:	Class: MBA-III(A) Topic: BL Negotiable instruments	Class: Topic:	Class: MBA-III(A) Topic: ITH Capital structure decision	Class: Topic:
FRIDAY DATE: 02-12-2023	Class: MBA-III(B) Topic: BL Comparative table Holder & Holder in due course	Class: MBA-III(A) Topic: BL Negotiable instruments	Class: Topic:	Class: Topic:	Class: MBA-III(A) Topic: ITH characteristics of DSS	Class: MBA-III(A) Topic: MOT Concepts of management
SATURDAY DATE: 03-12-2023	Class: MBA-III(B) Topic: MOT Functions of management	Class: MBA-III(B) Topic: BL Responsibilities of consumer	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:

This week work load _____

(i) Class work load _____

Signature _____

Ac. No. _____

Signature _____

WEEKLY DIARY		MONTH OF: <u>December</u> 2022				
Timing of the Period	9:10 - 10:00	10:00 - 10:50	10:50 - 11:40	11:40 - 12:30	12:30 - 2:00	2:00 - 3:10
Day and Date	Time	Time	Time	Time	Time	Time
MONDAY DATE: 12/12/2022	Class: MBA-II (A) Topic: BL the completion of Act 2002	Class: MBA-II (A) Topic: BL Features of competition Act	Class: MBA-II (A) Topic: MOT Types of plans	Class: Topic:	Class: Topic: Attended a wedding 20/12 6:30 PM	Class: Topic:
TUESDAY DATE: 13/12	Class: MBA-I (A) Topic: ITM elements of life commitment	Class: MBA-II (A) Topic: BL Features of competition Act 2002	Class: Topic:	Class: Topic:	Class: Topic:	Class: MBA-I (B) Topic: MOT characteristics of decision making
WEDNESDAY DATE: 14/12	Class: MBA-I (B) Topic: MOT Types of decisions	Class: Topic:	Class: MBA-II (B) Topic: BL Introduction to IT	Class: Topic:	Class: Topic: Department work regarding NAA C	Class: Topic: Cricketing play
THURSDAY DATE: 15/12	Class: Topic:	Class: Topic:	Class: MBA-II (B) Topic: BL Introduction to IT	Class: Topic:	Class: Topic:	Class: Topic:
FRIDAY DATE: 16/12	Class: MBA-I (A) Topic: ITM Types of topologies	Class: MBA-II (A) Topic: ITM IT Act, 2000	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:
SATURDAY DATE: 17/12	Class: MBA-I (B) Topic: MOT Decision making process	Class: MBA-II (A) Topic: BL Features of IT Act	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:

In This week work load _____

At Christ have enrolled _____

[Signature]

A.C. Ch

Principal

WEEKLY DIARY							MONTH OF: Dec 2022	
Timing of the Period	9:00 - 10:00	10:00 - 11:00	11:00 - 12:00	12:00 - 1:00	1:00 - 2:00	2:00 - 3:00	3:00 - 4:00	4:00 - 5:00
Day and Date	Time	Time	Time	Time	Time	Time	Time	Time
MONDAY DATE: 19/12/2022	Class: MBA/19/10 Topic: BL Impact of IT Act	Class: MBA/19/10 Topic: BL Impact of IT Act	Class: MBA/19/10 Topic: BL	Class: MBA/19/10 Topic: BL	Class: MBA/19/10 Topic: BL	Class: MBA/19/10 Topic: BL	Class: MBA/19/10 Topic: BL	Class: MBA/19/10 Topic: BL
TUESDAY DATE: 20/12/2022	Class: MBA/19/10 Topic: BL Types of IT Act	Class: MBA/19/10 Topic: BL Recapitulation of all acts	Class: MBA/19/10 Topic: BL	Class: MBA/19/10 Topic: BL	Class: MBA/19/10 Topic: BL	Class: MBA/19/10 Topic: BL	Class: MBA/19/10 Topic: BL	Class: MBA/19/10 Topic: BL
WEDNESDAY DATE: 21/12/2022	Class: MBA/19/10 Topic: BL Types of IT Act	Class: MBA/19/10 Topic: BL	Class: MBA/19/10 Topic: BL	Class: MBA/19/10 Topic: BL	Class: MBA/19/10 Topic: BL	Class: MBA/19/10 Topic: BL	Class: MBA/19/10 Topic: BL	Class: MBA/19/10 Topic: BL
THURSDAY DATE: 22/12/2022	Class: MBA/19/10 Topic: BL	Class: MBA/19/10 Topic: BL	Class: MBA/19/10 Topic: BL	Class: MBA/19/10 Topic: BL	Class: MBA/19/10 Topic: BL	Class: MBA/19/10 Topic: BL	Class: MBA/19/10 Topic: BL	Class: MBA/19/10 Topic: BL
FRIDAY DATE: 23/12/2022	Class: MBA/19/10 Topic: BL Introduction to IT Act	Class: MBA/19/10 Topic: BL Practicals of IT Act	Class: MBA/19/10 Topic: BL	Class: MBA/19/10 Topic: BL	Class: MBA/19/10 Topic: BL	Class: MBA/19/10 Topic: BL	Class: MBA/19/10 Topic: BL	Class: MBA/19/10 Topic: BL
SATURDAY DATE: 24/12/2022	Class: MBA/19/10 Topic: BL Rational Economic Decision Model	Class: MBA/19/10 Topic: BL	Class: MBA/19/10 Topic: BL	Class: MBA/19/10 Topic: BL	Class: MBA/19/10 Topic: BL	Class: MBA/19/10 Topic: BL	Class: MBA/19/10 Topic: BL	Class: MBA/19/10 Topic: BL

a) This week work first _____

b) Class Teacher initial _____

(Signature)

An Co.

Principal

WEEKLY DIARY

MONTH OF: January, 2022

Timing of the Period Day and Date	Time 9:00-10:00 I	Time 10:00-11:00 II	Time 11:00-12:00 III	Time 12:00-1:00 IV	Time 1:00-2:00 V	Time 2:00-3:00 VI
MONDAY DATE: 02/01/2022	Class: MBA-II (A) Topic: BL Business Ethics	Class: MBA-II (B) Topic: BL Business Ethics	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:
TUESDAY DATE: 03/01	Class: MBA-II (A) Topic: MGT Case Study	Class: MBA-II (B) Topic: BL Difference bet values & Ethics	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:
WEDNESDAY DATE: 04/01	Class: Topic: —	Class: Topic: NAAC Peer team	Class: Topic: visit	Class: Topic: —	Class: Topic:	Class: Topic:
THURSDAY DATE: 05/01	Class: Topic: —	Class: Topic: NAAC Peer team	Class: Topic: visit	Class: Topic: —	Class: Topic:	Class: Topic:
FRIDAY DATE: 06/01	Class: Topic: —	Class: Topic: departure work	Class: Topic: —	Class: Topic:	Class: Topic:	Class: Topic:
SATURDAY DATE: 07/01	Class: Topic: —	Class: Topic: MBA-I & II Sem Internal Exam invigilation	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:

1) This week work Done _____

2) Casual leaves utilized _____

(Signature)

AE/CL

PH/PH

WEEKLY HOURS						
MONTH OF: <u>January</u> , 2023						
Time of the Period Day and Date	7:30 AM - 9:00 AM Time: <u>9</u>	9:00 AM - 10:30 AM Time: <u>10</u>	10:30 AM - 11:45 AM Time: <u>11</u>	11:45 AM - 12:30 PM Time: <u>12</u>	1:30 PM - 4:30 PM Time: <u>5</u>	4:30 PM - 10:00 PM Time: <u>10</u>
MONDAY DATE: <u>09/01</u>	Class: Topic:	Class: Topic: <u>MDA-I</u>	Class: Topic: <u>II Sem I</u>	Class: Topic: <u>- Internal</u>	Class: Topic: <u>Exam</u>	Class: Topic: <u>Investigation</u>
TUESDAY DATE: <u>10/01</u>	Class: Topic:	Class: Topic: <u>MDA-I &</u>	Class: Topic: <u>III Sem</u>	Class: Topic: <u>Internal</u>	Class: Topic: <u>Exam</u>	Class: Topic: <u>Investigation</u>
WEDNESDAY DATE: <u>11/01</u>	Class: Topic:	Class: Topic: <u>MDA-I &</u>	Class: Topic: <u>III Sem</u>	Class: Topic: <u>Internal</u>	Class: Topic: <u>Exam</u>	Class: Topic: <u>Investigation</u>
THURSDAY DATE: <u>12/01</u>	Class: Topic: <u>Applied for C.L</u>	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:
FRIDAY DATE: <u>13/01</u>	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:
SATURDAY DATE: <u>14/01</u>	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:

0 This week work load _____ In Class hours utilized 21 41 41 41 41 41 41

WEEKLY DIARY						
WEDNESDAY, 23 AUGUST 2023						
Thing of the Week Day and Date	Time 1	Time 2	Time 3	Time 4	Time 5	Time 6
MONDAY DATE: 23/01	Class: MBA-III (A) Topic: BL Comparison between values	Class: MBA-III (A) Topic: BL Comparison of values & values	Class: Topic:	Class: MBA-III (A) Topic: BL Advertising and media	Class: MBA-III (A) Topic: ITM Database and Characteristics	Class: MBA-III (A) Topic: MOT Techniques Group Decision
TUESDAY DATE: 24/01	Class: MBA-III (A) Topic: ITM Different types of data models	Class: MBA-III (A) Topic: BL Differences between values	Class: Topic:	Class: Topic:	Class: Topic:	Class: MBA-III (A) Topic: MOT Differentiation Features of Data
WEDNESDAY DATE: 25/01	Class: MBA-III (A) Topic: MOT Differentiation by product & market	Class: Topic:	Class: MBA-III (A) Topic: BL Ethical Dilemmas	Class: Topic:	Class: MBA-III (A) Topic: ITM Features of Data Analytics	Class: Topic:
THURSDAY DATE: 26/01	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:
← Republic Day →						
FRIDAY DATE: 27/01	Class: MBA-III (A) Topic: BL Ethical Dilemmas	Class: MBA-III (A) Topic: BL Ethical Organisation	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:
SATURDAY DATE: 28/01	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:
← Freshers Party →						

1/ This week week total _____

2/ Canal hours available _____

11/01/23

Ac. Co.

Principal

WEEKLY PLANS

Class of the Period	12:45 - 1:15	1:15 - 1:45	1:45 - 2:15	2:15 - 2:45	2:45 - 3:15	3:15 - 3:45
Day and Date	Topic	Topic	Topic	Topic	Topic	Topic
MONDAY DATE: 20/01/22	Class: HBA-12(A) Topic: BL How to identify an effective leader	Class: HBA-12(B) Topic: BL How to identify an effective leader	Class: Topic:	Class: HBA-12(B) Topic: BL Effective leader	Class: HBA-12(A) Topic: I-TM Components of effective leadership	Class: HBA-12(A) Topic: I-TM Components of effective leadership
TUESDAY DATE: 21/01	Class: HBA-12(A) Topic: BL Data mining Concept & application	Class: HBA-12(B) Topic: BL Critical Decision Making process	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:
WEDNESDAY DATE: 01/02	Class: HBA-12(B) Topic: BL Decision making Process & types	Class: Topic:	Class: HBA-12(B) Topic: BL Effective Leader	Class: Topic:	Class: HBA-12(A) Topic: I-TM (Lab) MS-Word & Power Point	Class: Topic:
THURSDAY DATE: 02/02	Class: HBA-12(B) Topic: BL Span of management	Class: Topic:	Class: HBA-12(B) Topic: BL Critical Decision Making process	Class: Topic:	Class: Topic:	Class: Topic:
FRIDAY DATE: 03/02	Class: HBA-12(B) Topic: BL Corporate Governance	Class: HBA-12(A) Topic: BL Service quality performance	Class: Topic:	Class: Topic:	Class: HBA-12(A) Topic: I-TM (Lab) Power point Software tools	Class: HBA-12(A) Topic: I-TM (Lab) Power point Software tools
SATURDAY DATE: 04/02	Class: HBA-12(B) Topic: BL Disciplined elements	Class: HBA-12(B) Topic: BL Principles of Effective Leadership	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:

As this work will lead _____

By Coord. Inver aridid _____

MOB: 9777777777

As On _____

Page 1/1

WEEKLY DIARY						
MONTH OF: July 2025						
Timing of the Period Day and Date	9:15 - 10:45 Time	10:45 - 12:15 Time	12:15 - 1:45 Time	1:45 - 3:15 Time	3:15 - 4:45 Time	4:45 - 6:15 Time
MUNDAY DATE: 05/07/25	Class: Topic:	Class: Topic:	Class: HPA-116 Topic: C&I creative problem solving techniques	Class: HPA-116 Topic: MIS business systems planning study	Class: Topic:	Class: Topic:
TUESDAY DATE: 06/07	Class: HPA-116 Topic: C&I creative problem solving techniques	Class: Topic:	Class: HPA-116 Topic: MIS Ends/Means Analysis	Class: HPA-116 Topic: OR problems on quality of LPP	Class: Topic:	Class: Topic:
WEDNESDAY DATE: 06/07	Class: Topic:	Class: Topic:	Class: HPA-116 Topic: MIS Financial Information System	Class: HPA-116 Topic: C&I creative problem solving techniques	Class: Topic: circulation on HPA-116	Class: Topic:
THURSDAY DATE: 07/07	Class: HPA-116 Topic: MIS Marketing Information System	Class: HPA-116 Topic: C&I creative problem solving techniques	Class: Topic:	Class: Topic:	Class: HPA-116 Topic: OR LPP problems by graphical method	Class: Topic:
FRIDAY DATE: 07/07	Class: Topic:	Class: HPA-116 Topic: C&I HPA-116 Solving techniques	Class: Topic:	Class: Topic:	Class: HPA-116 Topic: OR LPP by graphical method	Class: Topic:
SATURDAY DATE: 08/07	Class: Topic:	Class: Topic: No class on Sat	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:

a) This work work sheet _____

b) Class work sheet _____

c) _____

Scanned with OJEM Scanner

WEEKLY DIARY							MONTH OF: August 2023	
Timing of the Period Day and Date	Time 1	Time 2	Time 3	Time 4	Time 5	Time 6		
MONDAY DATE: 28-08-2023	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:		
TUESDAY DATE: 29-08-2023	Class: Topic:	Class: Topic:	Class: MBA II Topic: OR Seminar presentation	Class: Topic:	Class: Topic:	Class: Topic:		
WEDNESDAY DATE: 30-08-2023	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: MBA III Topic: OR Seminar presentation	Class: Topic:		
THURSDAY DATE: 31-08-2023	Class: Topic:	Class: Topic:	Raksha Bandhan (Optional holiday)				Class: Topic:	Class: Topic:
FRIDAY DATE: 01-09-2023	Class: Topic:	Class: Topic:	Internal papers Evaluation				Class: Topic:	Class: Topic:
SATURDAY DATE: 02-09-2023	Class: Topic:	Class: Topic:	MBA IV and internal exam invigilation				Class: Topic:	Class: Topic:

a) This week work load _____

b) Casual leaves availed _____

[Signature]

Dr. C.

Bhavya 2022-23



VAAGDEVI DEGREE & P.G. COLLEGE

KISHANPURA, HANAMKONDA - 506 001. T.S.

TEACHING DIARY FOR THE U.G./P.G. COURSES - 086/117

Academic Year 2022-2023

Name: B. Bhavya (UG) / Subject: physics (Nuclear Physics)
molecular & Resonance Spectroscopy
Dept. of physics & Electronics Lecturer's ID. No. _____

TIME TABLE

SUBJECT: physics

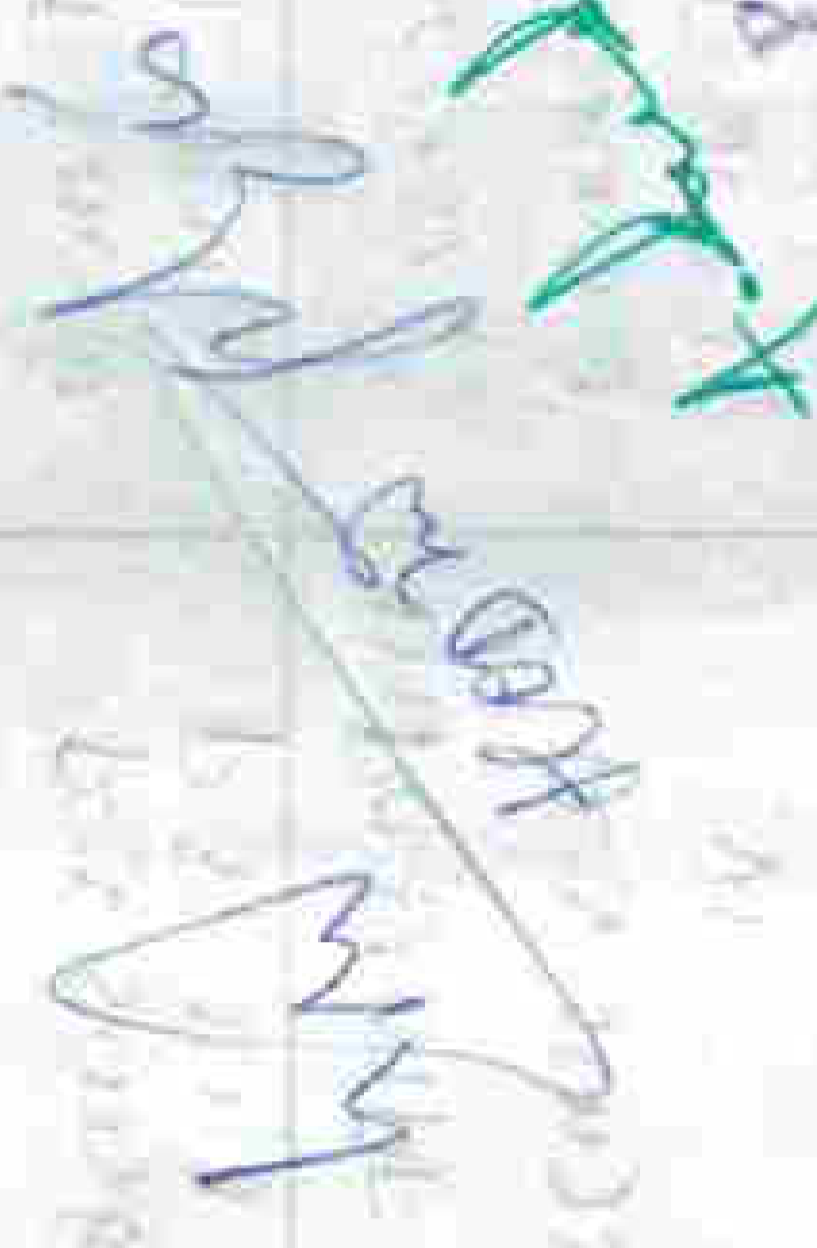
NAME OF THE TEACHER: B. Bhavja

DAY-PERIOD	1st PERIOD (Time 9-9:50AM)	2nd PERIOD (Time 10:50-10:40) AM	3rd PERIOD (Time 10:40-11:30) AM	4th PERIOD (Time 11:30-12:20) PM	5th PERIOD (Time 1:10-2:00PM)	6th PERIOD (Time 2 - 2:50PM)	7th PERIOD (Time 2:50-3:40)
MONDAY				mpc & mpe - P-V sem) & VI	← mpe - V sem) ⇒ & VI lab		3:40-4:00 NUP (3.2) Pg-III & IV
TUESDAY				mpc & mpe - P-V sem) & VI	← mpc - V sem) ⇒ lab & VI ≠ mpc - S/A - V sem)		3:00-4:00 NUP (3.2) Pg-III & IV
WEDNESDAY		mpcs - slc - I sem) & II sem)			← mpc - S/A - V sem) ⇒ & VI B2 - lab		4:00-5:00 NUP (3.2) Pg-III & IV
THURSDAY		mpcs - slc - I sem) & II sem)			← mpc - S/A - V sem) ⇒ & VI B2 - lab		4:00-5:00 NUP (3.2) Pg-III & IV
FRIDAY	mpcs - slc - I sem) & II sem)	mpc & mpe - P-V sem) & P-VI sem)			mpc & mpe VI sem) (Extra class)	mpc - slc - II sem) (Extra class)	
SATURDAY	mpcs - slc - I sem) & II sem)	mpc & mpe - P-V sem) & P-VI sem)			mpc & mpe VI sem) (Extra class)		

A. B. B.
Principal
Vaagdevi Degree College
Kishanpur, VI

LEAVE ACCOUNT

Month	Dates of CLS availed in the month	CLS availed up to last availed	Total Number of CLS availed	Balance of CL
JUNE				
JULY				
AUGUST				
SEPTEMBER	1-9-22 12-9-22	0	02	18
OCTOBER	13-10-22	02	01	17
NOVEMBER	2-11-22 9-11-22	03	02	15
DECEMBER	21-12-22	05	01	14
JANUARY	3-1-23 4-1-23 5-1-23	10	03	11
FEBRUARY	17-2-23 27-2-23	13	02	09
MARCH	13-3-23 21-3-23	15	02	07
APRIL	00	17	00	07
MAY	8-5-23 9-5-23	17	02	05


 H. S. Desai
 Principal
 K. J. Somaiya Institute of
 Technology
 Mumbai

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 Principal
 K. J. Somaiya Institute of
 Technology
 Mumbai

ALMANAC

Academic Year...2022-23

Sl. No.	PARTICULARS	SEMESTER : <u>V</u> (UG)	SEMESTER : <u>III</u> (PG)	SEMESTER : <u>II</u> (U)
1.	Commencement of Classes & last date of Re-admission	16-08-2022	26-09-2022	10-10-2022
2.	I-Internal Assessment Test	19-09-2022 to 20-09-2022	11-11-2022	8-12-2022
3.	II-Internal Assessment Test	30-10-2022 to 01-11-2022	27-12-2022	23-01-2023
4.	Last day of Instruction	17-11-2022	23-01-2023	03-02-2023
5.	Preparation holidays and practical examinations	18-11-2022 to 20-11-2022	23-01-2023 to 26-01-2023	04-02-2023 to 08-02-2023
6.	Commencement of examinations	21-11-2022 onwards	27-01-2023	9-2-2023 onwards

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ALMANAC

Academic Year.....2022-23.....

Sl. No.	PARTICULARS	UG SEMESTER: VI	UG SEMESTER: -II	Pg SEMESTER: IV
1.	Commencement of Classes & last date of Re-admission	08-02-2023	23-02-2023	24-02-2023
2.	I-Internal Assessment Test	27-03-23 28-03-23	3-4-2023 4-4-2023	10-04-2023 11-04-2023
3.	II-Internal Assessment Test	11-04-23 12-04-23	13-5-2023 15-5-2023	6-6-23 7-6-23
4.	Last day of Instruction	7-5-23	25-05-2023	16-06-23
5.	Preparation holidays and practical examinations	8-5-23 11-5-23	26-5-2023 28-5-2023	17-6-23 20-6-23
6.	Commencement of examinations	12-5-23	29-5-2023	20-6-23

everybody

YONGSUN DONG, P. H. O. College

Dr. G. G. Col

TEACHING PLAN

Paper V

Semester V

Lectur No.	Date	Topic
1	16-8-22	Introduction to spectroscopy
2	19-8-22	Drawbacks of Bohr's atomic model
3	22-8-22	Sommerfeld's elliptical orbits - relativistic correction
4	23-8-22	Stern & Gerlach experiment
5	26-8-22	vector atom model & quantum numbers
6	27-8-22	L-S & j-j coupling, spectral term symbols
7	29-8-22	intensity rules, Spectra of alkali atoms.
8	30-8-22	Zeeman effect
9	02-9-22	Paschen-back effect & stark effect.
10	03-9-22	Types of molecular spectra.
11	05-9-22	pure rotational spectra
12	6-9-22	vibrational spectra.
13	9-9-22	Raman effect.
14	13-9-22	Inadequacy of classical physics, spectral radiation.
15	16-9-22	photoelectric effect - Einstein's photoelectric equation
16	16-9-22	Compton's effect - Experimental verification.
17	23-9-22	de - Broglie's hypothesis - wave length of particles
18	24-9-22	phase & group velocity
19	26-9-22	Davisson and Germer experiment.
20	27-9-22	De Broglie's experiment. Standing de Broglie waves
21	30-9-22	Heisenberg's uncertainty principle

Physics

Subject: Modern physics

Lectur No.	Date	Topic
22	1-10-22	Diffraction by a single slit
23	7-10-22	Schrodinger time independent
24	8-10-22	Schrodinger time dependent eqn
25	10-10-22	Basic postulates of quantum mechanics
26	11-10-22	Basic properties of nucleus
27	14-10-22	Binding energy of nucleus, d.p.
28	15-10-22	p-p-n-n & n-p scattering
29	17-10-22	Liquid drop & shell model
30	18-10-22	Range of alpha particle, Geiger
31	21-10-22	Gamma ray theory of alpha p
32	22-10-22	B-spectrum - neutrino hypothesis
33	25-10-22	Compton's eqn, proportional, semi
34	28-10-22	Introduction to solid state physics
35	29-10-22	crystal systems.
36	31-10-22	Bravais lattices. Miller indices
37	4-11-22	simple crystal structures.
38	5-11-22	x-ray diffraction by crystals
39	7-11-22	law's method of powder method.
40	11-11-22	types of bonding in crystals
41	12-11-22	lattice energy of ionic crystals
42	15-11-22	Born - Langer cycle

Orbits,

de Broglie waves

Heisenberg's

principle

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TEACHING PLAN

Paper : 3.2 (Nuclear Physics)

Semester : III

Lectur No.	Date	Topic
1	26-9-22	Introduction to nuclear physics
2	27-9-22	Theories of nuclear composition - $p, n, p-n, N, Z$ relation
3	28-9-22	Binding energy, semi empirical mass formula
4	29-9-22	Quantum numbers of individual nucleons
5	10-10-22	Quantum properties of nuclear states
6	11-10-22	potential well, Quantum statistics
7	12-10-22	Fundamental laws of radioactivity.
8	17-10-22	measurements of decay constants.
9	18-10-22	Radioactive dating.
10	19-10-22	Isotopes, their separation schemes.
11	20-10-22	Introduction to nuclear forces
12	25-10-22	Deuteron - properties nuclear force
13	25-10-22	Number of excited s-states.
14	26-10-22	Range and depth of potential
15	27-10-22	Nucleon-proton scattering at low energies
16	27-10-22	proton-proton scattering at low energies
17	31-10-22	Similarity between $n-p$ & $p-p$ forces
18	01-11-22	non-central forces - experimental evidence.
19	3-11-22	ground state of the deuteron
20	7-11-22	High energy $n-p$ & $p-p$ scattering
21	10-11-22	Meson theory of nuclear forces

Subject : Physics

Lectur No.	Date	Topic
22	14-11-22	Introduction to nuclear forces
23	15-11-22	Types of fission
24	16-11-22	Distribution of fission products
25	17-11-22	Fissile & Fertile materials
26	21-11-22	Deformation of liquid drop
27	22-11-22	Born & Wheeler's theory
28	23-11-22	Nuclear fusion & thermodynamic
29	24-11-22	Controlled thermonuclear
30	28-11-22	Hydrogen bomb
31	29-11-22	different methods for the
32	30-11-22	Introduction to elementary
33	1-12-22	classification of Elementary
34	5-12-22	particles interactions
35	6-12-22	Conservation laws
36	7-12-22	Electromagnetic laws
37	8-12-22	strong & weak laws
38	12-12-22	conservation laws
39	13-12-22	Invariance under charge
40	14-12-22	parity
41	15-12-22	C.P. time
42	19-12-22	CPT

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TEACHING PLAN

Paper : I

Semester : I

Lectur No.	Date	Topic
1	14-10-22	orientation classes
2	15-10-22	orientation classes
3	19-10-22	Bridge course classes
4	20-10-22	Bridge course classes
5	21-10-22	Bridge course classes
6	22-10-22	Bridge course classes
7	26-10-22	Bridge course classes
8	27-10-22	Bridge course classes
9	28-10-22	Scalar & vector fields
10	29-10-22	Gradient of scalar field & physical significance
11	3-11-22	Divergence of vector field
12	4-11-22	Curl of vector field
13	5-11-22	Line, Surface, Volume integral.
14	10-11-22	Stokes's theorem
15	11-11-22	Gauss's theorem
16	12-11-22	Green's theorem
17	16-11-22	problems on unit-I
18	17-11-22	laws of motion
19	18-11-22	variable mass system
20	19-11-22	Motion of a rocket
21	23-11-22	Multistage rockets

Subject: physics (Mechanics)

Lectur No.	Date	Topic
22	24-11-22	conservation of Energy & mo
23	25-11-22	collisions of two dimensions
24	26-11-22	collisions in three dimensions
25	30-11-22	concept of impact & coefficient of
26	1-12-22	Rigid body
27	2-12-22	Rotational kinematics & relat
28	3-12-22	Equation of motion for rota
29	7-12-22	angular momentum & inertia
30	8-12-22	angular momentum & inertia
31	9-12-22	Euler's equation
32	10-12-22	precession of a top
33	14-12-22	Gyroscope
34	15-12-22	problems on unit-II
35	16-12-22	Central forces
36	17-12-22	conservative nature of centric
37	22-12-22	conservative force as a negative
38	23-12-22	Equation of motion under c
39	24-12-22	Gravitational potential
40	25-12-22	Motion under inverse square
41	29-12-22	Derivation Kepler's law-I
42	30-12-22	Derivation of Kepler's law-II

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TEACHING PLAN

Paper :

Semester :

Lectur No.	Date	Topic
43	30/12/22	Derivation of Kepler's law-II
44	31/12/22	Derivation of Kepler's law-III
45	2-1-23	Derivation of Kepler's law-III
46	3-1-23	Kepler's force & it's experiment
47	4-1-23	problems on UNIT-III
48	5-1-23	special theory of relativity
49	6-1-23	Galilean relativity
50	7-1-23	absolute frames
51	8-1-23	Michelson-Morley Experiment
52	10-1-23	Michelson-Morley Experiment
53	11-1-23	postulates of special theory of relativity
54	12-1-23	lorentz transformation
55	18-1-23	lorentz transformation
56	19-1-23	Time dilation
57	20-1-23	length contraction
58	21-1-23	Addition of velocities
59	23-1-23	mass-energy relation
60	24-1-23	mass-energy relation
61	25-1-23	Concept of force vector
62	26-1-23	Concept of force vector
63	27-1-23	Revision

Subject :

Lectur No.	Date	Topic
64	28-1-23	problems on UNIT-IV
65	29-1-23	problems on UNIT-IV
66	31-1-23	Revision
67	1-2-23	Revision
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TEACHING PLAN

Paper: II Date: 27/03/23 Semester: IV

Subject: molecular and resonance spectroscopy

Lectur No.	Date	Topic
1	28-2-23	molecular symmetry
2	1-3-23	Matrix representation of symmetry operation
3	2-3-23	Reducible & Irreducible
4	6-3-23	characteristic table of C_{2v} & C_{3v}
5	8-3-23	Normal modes of vibrations
6	9-3-23	Infrared & Raman selection rules
7	11-3-23	Rotational spectrum
8	15-3-23	Rotational spectrum
9	16-3-23	Diatomic vibrating-rotator
10	20-3-23	Born - openheimer approximation
11	21-3-23	vibrations of polyatomic molecules
12	23-3-23	FTIR
13	27-3-23	molecular polarizability
14	28-3-23	Quantum theory of Raman scattering
15	29-3-23	pure-rotational Raman spectra
16	3-4-23	vibrational Raman spectra
17	4-4-23	Rotational-fine structure
18	6-4-23	vibrations of spherical top molecules
19	12-4-23	Instrumentation of Raman spectrometer
20	13-4-23	Electronic spectra of diatomic molecules
21	17-4-23	vibrational coarse structure

Lectur No.	Date	Topic
22	18-4-23	Frank-Condon principle
23	19-4-23	Dissociation Energy
24	20-4-23	Rotational-Electronic-vibration in
25	24-4-23	Synchrotron Radiation source
26	25-4-23	Dye laser
27	26-4-23	Thermal detectors & photomultiplier
28	27-4-23	CCD & Identification of ^{13}C
29	1-5-23	magnetic properties of nuclei
30	2-5-23	Resonance condition
31	3-5-23	Bloch's equation
32	4-5-23	Relaxation processes
33	10-5-23	chemical shift
34	11-5-23	NMR Instrumentation
35	12-5-23	NMR Imaging
36	13-5-23	Electron spin resonance
37	15-5-23	principles of ESR
38	16-5-23	spin Hamiltonian
39	17-5-23	Hyper-fine structure
40	18-5-23	EPR spectra of H-atom
41	19-5-23	CH ₃ radical & Benzene anion
42	26-5-23	EPR spectrometer

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TEACHING PLAN

Paper : II Semester : IV

Subject: Molecular & Economic Spectroscopy.

Lectur No	Date	Topic
43	22-5-23	NMR
44	23-5-23	Quadrupole nucleus
45	24-5-23	principle of NMR
46	25-5-23	Half integral & Integral spin
47	29-5-23	chemical & H-bonding
48	30-5-23	NMR spectrometer Instrumentation
49	31-5-23	Recoupling - emission
50	2-6-23	Donor shift & chemical shift
51	3-6-23	Quadrupole Interaction
52	6-6-23	Internal- π conduction
53	7-6-23	Internal- π conduction
54	8-6-23	magnetic hyper-fine structure
55	12-6-23	Applications of NMR
56	13-6-23	Applications of NMR
57	14-6-23	Instrumentation of Mordac spectro
58	15-6-23	Instrumentation of mordac spectro
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Lectur No.	Date	Topic
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Assoc. Gen. Dir. & S.C. College
The Hyderabad

Prakash College	38
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WEEKLY DIARY

MONTH OF: August-22

Timing of the Period

Day and Date

MONDAY

DATE: 15-8-22

Time: 9:50-10:40 AM

Class:
Topic:

Time: 11:30-12:20 PM

Class:
Topic:

Time: 1:10-2:00 PM

Class:
Topic:

Time: 2:25-3:15 PM

Class:
Topic:

Time: 3:00-4:00 PM

Class:
Topic:

Time: 4:00-5:00 PM

Class:
Topic:

TUESDAY

DATE: 16-08-2022

Class:
Topic:Class: MPC & MPE
Topic: P-T runClass:
Topic:Class:
Topic:Class:
Topic:Class:
Topic:

WEDNESDAY

DATE: 17-08-22

Class:
Topic:Class:
Topic:Class:
Topic:Class:
Topic:Class:
Topic:Class:
Topic:

THURSDAY

DATE: 18-08-2022

Class:
Topic:Class:
Topic:Class:
Topic:Class:
Topic:Class:
Topic:Class:
Topic:

FRIDAY

DATE: 19-08-2022

Class:
Topic:Class: MPC & MPE
Topic: P-T runClass:
Topic:Class:
Topic:Class:
Topic:Class:
Topic:

SATURDAY

DATE: 20-08-22

Class:
Topic:Class:
Topic:Class:
Topic:Class:
Topic:Class:
Topic:Class:
Topic:

a) This week work load

08

b) Casual leaves availed

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H.O.D.

Ac. Co.

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Kishanpura, Hanamkonda

MONTH OF : August - 22

WEEKLY DIARY		Time : 9:50 - 10:40	Time : 11:30 - 12:20	Time : 1:10 - 2:00	Time : 2:25 - 3:00	Time : 3:00 - 4:00	Time : 4:00 - 5:00
Timing of the Period	Day and Date	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :
MONDAY	DATE : 22 - 8 - 22	Class : MPC & MPE - Topic : p-v sem	Class : MPC & MPE - Topic : p-v sem	Class : MPC - PLS Topic : plank's constant using LED	Class : Topic : lab \Rightarrow	Class : Topic :	Class : Topic :
TUESDAY	DATE : 23 - 8 - 22	Class : Topic :	Class : MPC & MPE Topic : p-v sem	Class : MPC - PLS Topic : plank's constant using LED	Class : Topic : lab \Rightarrow	Class : Topic :	Class : Topic :
WEDNESDAY	DATE : 24 - 8 - 22	Class : Topic :	Class : Topic :	Class : MPC - PLS Topic : plank's constant using LED	Class : Topic : lab \Rightarrow	Class : Topic :	Class : Topic :
THURSDAY	DATE : 25 - 8 - 22	Class : Topic :	Class : Topic :	Class : MPC - PLS Topic : plank's constant using LED	Class : Topic : lab \Rightarrow	Class : Topic :	Class : Topic :
FRIDAY	DATE : 26 - 8 - 22	Class : MPC & MPE - Topic : p-v sem	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :
SATURDAY	DATE : 27 - 8 - 22	Class : MPC & MPE - Topic : p-v sem	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :

a) This week work load 12

b) Casual leaves availed

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Kishanpura, Mysore

Principal
Kishanpura, Mysore

WEEKLY DIARY

MONTH OF: August 0 September-22

Timing of the Period

Day and Date

MONDAY

DATE: 29-8-22

Time: 9:50-10:40 AM

Class:
Topic:

Time: 11:30-12:20 PM

Class: MPC & MPPE-
Topic: λ (nm)

Time: 1:10-2:00 PM

Class: MPC & MPPE
Topic: λ (nm)

Time: 2-2:50 PM

Class: lab \Rightarrow
Topic:

Time: 3-4 PM

Class: M. & MPPE
Topic:

Time: 4:00-5:00 PM

Class:
Topic:

TUESDAY

DATE: 30-8-22

Class: M. & MPPE
Topic:Class: MPC & MPPE-
Topic: λ (nm)Class: MPC
Topic: λ (nm)Class: PIV lab \Rightarrow
Topic:Class: M. & MPPE
Topic:Class:
Topic:

WEDNESDAY

DATE: 31-8-22

Class:
Topic:Class:
Topic:Class: MPC & MPPE-
Topic: λ (nm)Class: MPC
Topic: λ (nm)Class: PIV lab \Rightarrow
Topic:Class: M. & MPPE
Topic:Class:
Topic:

THURSDAY

DATE: 01-9-22

Class:
Topic:Class:
Topic:Class: MPC & MPPE-
Topic: λ (nm)Class: MPC
Topic: λ (nm)Class: PIV lab \Rightarrow
Topic:Class: M. & MPPE
Topic:Class:
Topic:

FRIDAY

DATE: 02-9-22

Class: MPC & MPPE-
Topic: λ (nm)Class:
Topic:Class: MPC & MPPE-
Topic: λ (nm)Class: MPC
Topic: λ (nm)Class: PIV lab \Rightarrow
Topic:Class: M. & MPPE
Topic:Class:
Topic:

SATURDAY

DATE: 03-9-22

Class: MPC & MPPE-
Topic: λ (nm)Class:
Topic:Class: MPC & MPPE-
Topic: λ (nm)Class: MPC
Topic: λ (nm)Class: PIV lab \Rightarrow
Topic:Class: M. & MPPE
Topic:Class:
Topic:

This week work load

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b) Casual leaves availed

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Kishanpura, Hanamkonda

MONTH OF : September - 22

WEEKLY DIARY		MONTH OF : September - 22				Time : 4-5 PM	
Timing of the Period	Day and Date	Time : 9:50-10:40 AM	Time : 11:30-12:20 PM	Time : 1:10-2:00 PM	Time : 2:00-2:50 PM	Time : 3:00-4:00 PM	Time : 4-5 PM
MONDAY	DATE : 05-9-22	Class : Topic :	Class : mpc & mpe - Topic : λ (nm) Rotational spectrum	Class : λ mpe Topic : λ mpe Wave length of layer source	Class : PIV - λ (nm) lab Topic : Wave length of layer source	Class : mpc & mpe Topic :	Class : Topic :
TUESDAY	DATE : 6-9-22	Class : Topic :	Class : mpc & mpe - Topic : λ (nm) vibrational spectrum	Class : λ mpe Topic : λ mpe Wave length of layer source	Class : PIV - λ (nm) lab Topic : Wave length of layer source	Class : mpc & mpe Topic :	Class : Topic :
WEDNESDAY	DATE : 7-9-22	Class : Topic :	Class : Topic :	Class : Topic : λ mpe Wave length of layer source	Class : PIV - λ (nm) lab Topic : Wave length of layer source	Class : mpc & mpe Topic :	Class : Topic :
THURSDAY	DATE : 8-9-22	Class : Topic :	Class : Topic :	Class : λ mpe Topic : λ mpe Wave length of layer source	Class : PIV - λ (nm) lab Topic : Wave length of layer source	Class : mpc & mpe Topic :	Class : Topic :
FRIDAY	DATE : 9-9-22	Class : mpc & mpe - Topic : λ (nm) Raman effect	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :
SATURDAY	DATE : 10-10-22	Class : mpc & mpe - Topic : λ (nm) classical theory of Raman effect	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :

MONTH OF : September - 22

Timing of the Period Day and Date	Time : 9:50 - 10:40 AM	Time : 11:30 - 12:20 PM	Time : 1:00 - 2:00 PM	Time : 2:00 - 2:50 PM	Time : 3:00 - 4:00 PM
MONDAY DATE : 12-9-22	Class : Topic : ← Casual	Class : Topic : ← mpe planck's law	Class : Topic : ← mpe planck's constant using photo-cell	Class : Topic : ← mpe planck's constant using photo-cell	Class : Topic : ← mpe planck's constant using photo-cell
TUESDAY DATE : 13-9-22	Class : Topic : ← mpe planck's law	Class : Topic : ← mpe planck's law	Class : Topic : ← mpe planck's constant using photo-cell	Class : Topic : ← mpe planck's constant using photo-cell	Class : Topic : ← mpe planck's constant using photo-cell
WEDNESDAY DATE : 14-9-22	Class : Topic : ← mpe planck's law	Class : Topic : ← mpe planck's law	Class : Topic : ← mpe planck's constant using photo-cell	Class : Topic : ← mpe planck's constant using photo-cell	Class : Topic : ← mpe planck's constant using photo-cell
THURSDAY DATE : 15-9-22	Class : Topic : ← mpe planck's law	Class : Topic : ← mpe planck's law	Class : Topic : ← mpe planck's constant using photo-cell	Class : Topic : ← mpe planck's constant using photo-cell	Class : Topic : ← mpe planck's constant using photo-cell
FRIDAY DATE : 16-9-22	Class : Topic : ← mpe planck's law	Class : Topic : ← mpe planck's law	Class : Topic : ← mpe planck's constant using photo-cell	Class : Topic : ← mpe planck's constant using photo-cell	Class : Topic : ← mpe planck's constant using photo-cell
SATURDAY DATE : 17-9-22	Class : Topic : ← mpe planck's law	Class : Topic : ← mpe planck's law	Class : Topic : ← mpe planck's constant using photo-cell	Class : Topic : ← mpe planck's constant using photo-cell	Class : Topic : ← mpe planck's constant using photo-cell

WEEKLY DIARY		MONTH OF : September -22				
Timing of the Period Day and Date	Time : 9:50-10:40 AM	Time : 11:30-12:20 PM	Time : 1:10-2:00 PM	Time : 2-2:50 PM	Time : 3:00-4:00 PM	Time : 4:10
MONDAY DATE : 19-9-22	Class : Topic : ← Internal Exam ⇒	Class : Topic : ← Internal Exam ⇒	Class : Topic : ← Internal Exam ⇒	Class : Topic : ← Internal Exam ⇒	Class : Topic : ← Internal Exam ⇒	Class : Topic : ← Internal Exam ⇒
TUESDAY DATE : 20-9-22	Class : Topic : ← Internal Exam ⇒	Class : Topic : ← Internal Exam ⇒	Class : Topic : ← Internal Exam ⇒	Class : Topic : ← Internal Exam ⇒	Class : Topic : ← Internal Exam ⇒	Class : Topic : ← Internal Exam ⇒
WEDNESDAY DATE : 21-9-22	Class : Topic : ← Internal Exam ⇒	Class : Topic : ← Internal Exam ⇒	Class : Topic : ← Internal Exam ⇒	Class : Topic : ← Internal Exam ⇒	Class : Topic : ← Internal Exam ⇒	Class : Topic : ← Internal Exam ⇒
THURSDAY DATE : 22-9-22	Class : Topic : ← Internal Exam ⇒	Class : Topic : ← Internal Exam ⇒	Class : Topic : ← Internal Exam ⇒	Class : Topic : ← Internal Exam ⇒	Class : Topic : ← Internal Exam ⇒	Class : Topic : ← Internal Exam ⇒
FRIDAY DATE : 23-9-22	Class : Topic : ← Internal Exam ⇒	Class : Topic : ← Internal Exam ⇒	Class : Topic : ← Internal Exam ⇒	Class : Topic : ← Internal Exam ⇒	Class : Topic : ← Internal Exam ⇒	Class : Topic : ← Internal Exam ⇒
SATURDAY DATE : 24-9-22	Class : Topic : ← Internal Exam ⇒	Class : Topic : ← Internal Exam ⇒	Class : Topic : ← Internal Exam ⇒	Class : Topic : ← Internal Exam ⇒	Class : Topic : ← Internal Exam ⇒	Class : Topic : ← Internal Exam ⇒

WEEKLY DIARY		MONTH OF: September 2022				
Timing of the Period Day and Date		Time : 9:50-10:40 AM	Time : 11:30-12:20 PM	Time : 1:10-2:00 PM	Time : 2-2:50 PM	Time : 3:00-4:00 PM
MONDAY DATE : 26-9-22	Class : Topic :	Class : MPE Topic : λ & ν m Davisson & Germer Experiment	Class : MPE Topic : λ & ν m Double slit experiment	Class : \leftarrow MPE Topic : P-N junction 'h' by photo cell	Class : Topic : to nuclear physics	Class : M.Sc-III sem Topic : Theories of nuclear composition P-E, P-N, N-P
TUESDAY DATE : 27-9-22	Class : Topic :	Class : Topic :	Class : Topic :	Class : \leftarrow MPE Topic : Inverse square law	Class : Topic : P-N junction Work function of a photo cell	Class : Topic :
WEDNESDAY DATE : 28-9-22	Class : Topic :	Class : Topic :	Class : Topic :	Class : \leftarrow MPE Topic : Inverse square law	Class : Topic : P-N junction Inverse square law	Class : Topic : P-N junction Inverse square law
THURSDAY DATE : 29-9-22	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :
FRIDAY DATE : 30-9-22	Class : MPE Topic : Heisenberg uncertainty principle \leftarrow Inverse square law	Class : Topic : Heisenberg uncertainty principle \leftarrow Inverse square law	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :
SATURDAY DATE : 1-10-22	Class : MPE Topic : Diffraction by a single slit \leftarrow Inverse square law	Class : Topic : Diffraction by a single slit \leftarrow Inverse square law	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :

MONTH OF : October 22

WEEKLY DIARY					
Timing of the Period	Time : 9:50 - 10:40 AM	Time : 11:30 - 12:20 PM	Time : 1:10 - 2:00 PM	Time : 2:00 - 2:50 PM	Time : 3:00 - 4:00 PM
Day and Date					
MONDAY DATE : 3-10-22	Class : Topic : ← Dussehra vacation ⇒	Class : Topic : ← Dussehra vacation ⇒	Class : Topic : ← Dussehra vacation ⇒	Class : Topic : ← Dussehra vacation ⇒	Class : Topic : ← Dussehra vacation ⇒
TUESDAY DATE : 4-10-22	Class : Topic : ← Dussehra vacation ⇒	Class : Topic : ← Dussehra vacation ⇒	Class : Topic : ← Dussehra vacation ⇒	Class : Topic : ← Dussehra vacation ⇒	Class : Topic : ← Dussehra vacation ⇒
WEDNESDAY DATE : 5-10-22	Class : Topic : ← Dussehra vacation ⇒	Class : Topic : ← Dussehra vacation ⇒	Class : Topic : ← Dussehra vacation ⇒	Class : Topic : ← Dussehra vacation ⇒	Class : Topic : ← Dussehra vacation ⇒
THURSDAY DATE : 6-10-22	Class : Topic : ← Dussehra vacation ⇒	Class : Topic : ← Dussehra vacation ⇒	Class : Topic : ← Dussehra vacation ⇒	Class : Topic : ← Dussehra vacation ⇒	Class : Topic : ← Dussehra vacation ⇒
FRIDAY DATE : 7-10-22	Class : Topic : ← Dussehra vacation ⇒	Class : Topic : ← Dussehra vacation ⇒	Class : Topic : ← Dussehra vacation ⇒	Class : Topic : ← Dussehra vacation ⇒	Class : Topic : ← Dussehra vacation ⇒
SATURDAY DATE : 8-10-22	Class : Topic : ← Dussehra vacation ⇒	Class : Topic : ← Dussehra vacation ⇒	Class : Topic : ← Dussehra vacation ⇒	Class : Topic : ← Dussehra vacation ⇒	Class : Topic : ← Dussehra vacation ⇒

WEEKLY DIARY

Timing of the Period

Day and Date

MONDAY

DATE: 10-10-22

Time: 9:50-10:40 AM

Class:
Topic:

TUESDAY

DATE: 11-10-22

Class:
Topic:

WEDNESDAY

DATE: 12-10-22

Class:
Topic:

THURSDAY

DATE: 13-10-22

Class:
Topic:

FRIDAY

DATE: 14-10-22

Class:
Topic:

SATURDAY

DATE: 15-10-22

Class:
Topic:

Time: 9:50-10:40 AM

Class:
Topic:

Time: 11:30-12:20 PM

Class:
Topic:

Time: 1:10-2:00 PM

Class:
Topic:

Time: 2:30-3:20 PM

Class:
Topic:

Time: 3:30-4:20 PM

Class:
Topic:

Time: 4:30-5:20 PM

Class:
Topic:

MONTH OF: October - 22

his week work load

3+2=5

b) Casual leaves availed

01

H.O.D.

Ac: Co.

Principal

Maagdevi Degree & P.G. College,
Kishanpore, Manamkonda

WEEKLY DIARY

MONTH OF: October-22

Timing of the Period Day and Date	Time: 9:50-10:40 AM	Time: 11:30-12:20 PM	Time: 1:10-2:00 PM	Time: 2-2:50 PM	Time: 3:00-4:00 PM	Time: 4:00-5:00 PM
MONDAY DATE: 19-10-22	Class: MPCs Topic: Liquid drop & shell model	Class: MPCs Topic: Liquid drop & shell model	Class: MPCs Topic: work function of photo cell	Class: PIV-SEM Topic: lab \Rightarrow work function of photo cell	Class: MPCs-III Sem Topic: measurements of decay constant	Class: MPCs-III Sem Topic: measurements of decay constant
TUESDAY DATE: 18-10-22	Class: MPCs Topic: Range of α -particle, Geiger-Muttal law	Class: MPCs Topic: Range of α -particle, Geiger-Muttal law	Class: MPCs Topic: energy gap in intrinsic semiconductor	Class: PIV-SEM Topic: lab \Rightarrow intrinsic semiconductor	Class: MPCs-III Sem Topic: Radio activity dating	Class: MPCs-III Sem Topic: Radio activity dating
WEDNESDAY DATE: 19-10-22	Class: MPCs-III Sem Topic: Bridge course classes	Class: MPCs-III Sem Topic: Bridge course classes	Class: MPCs-III Sem Topic: energy gap in intrinsic semiconductor	Class: PIV-SEM Topic: lab \Rightarrow intrinsic semiconductor	Class: MPCs-III Sem Topic: Radio activity dating	Class: MPCs-III Sem Topic: Radio activity dating
THURSDAY DATE: 20-10-22	Class: MPCs-III Sem Topic: Bridge course classes	Class: MPCs-III Sem Topic: Bridge course classes	Class: MPCs-III Sem Topic: work function of photo cell	Class: PIV-SEM Topic: lab \Rightarrow work function of photo cell	Class: MPCs-III Sem Topic: Radio activity dating	Class: MPCs-III Sem Topic: Radio activity dating
FRIDAY DATE: 21-10-22	Class: MPCs-III Sem Topic: Gamow's theory of α -particle	Class: MPCs-III Sem Topic: Bridge course classes	Class: MPCs-III Sem Topic: work function of photo cell	Class: PIV-SEM Topic: lab \Rightarrow work function of photo cell	Class: MPCs-III Sem Topic: Radio activity dating	Class: MPCs-III Sem Topic: Radio activity dating
SATURDAY DATE: 22-10-22	Class: MPCs-III Sem Topic: B-spectrum	Class: MPCs-III Sem Topic: Bridge course classes	Class: MPCs-III Sem Topic: work function of photo cell	Class: PIV-SEM Topic: lab \Rightarrow work function of photo cell	Class: MPCs-III Sem Topic: Radio activity dating	Class: MPCs-III Sem Topic: Radio activity dating

a) This week workload

20

b) Casual leaves availed

H.O.D.

Ac. Co.

Principal

College
Khanp...
...nda

WEEKLY DIARY

MONTH OF: October-22

Timing of the Period

Day and Date

MONDAY

DATE: 24-10-22

Time: 9:50-10:40 AM

Class:
Topic:

Diwali

Time: 11:30-12:20 PM

Class:
Topic:

TUESDAY

DATE: 25-10-22

Class:
Topic:MPC-SEM I
Topic: YSEM
Counters-AM, proportional, compensation

Time: 1:10-2:00 PM

Class:
Topic:

Festival

MPC-SEM I
Topic: Determine wavelength by using grating

Time: 2-3:50 PM

Class:
Topic:MPC-SEM I
Topic: S-states by detection probability of nuclear forces

Time: 3:00-4:00 PM

Class:
Topic:MPC-SEM I
Topic: Ranges of potential at potential

THURSDAY

DATE: 27-10-22

Class:
Topic:MPC-SEM I
Topic: YSEM
Bridge circuit classesClass:
Topic:MPC-SEM I
Topic: YSEM
a-a-50MPC-SEM I
Topic: Determine wavelength by using gratingClass:
Topic:Class:
Topic:MPC-SEM I
Topic: P-p scattering

FRIDAY

DATE: 28-10-22

Class:
Topic:MPC-SEM I
Topic: YSEM
Introduction to SSPClass:
Topic:MPC-SEM I
Topic: YSEM
Scalar and vector fieldsClass:
Topic:Class:
Topic:Class:
Topic:MPC-SEM I
Topic: P-p scattering

SATURDAY

DATE: 29-10-22

Class:
Topic:MPC-SEM I
Topic: YSEM
Crystal systemsClass:
Topic:MPC-SEM I
Topic: YSEM
Gradient of scalar field, its physical significanceClass:
Topic:Class:
Topic:Class:
Topic:MPC-SEM I
Topic: P-p scattering

This week work load

12404-016

b) Casual leaves availed

H.O.D.

Ac. Co.

Principal

Principal

Maddur Degree & P.G. College,
Kalahandi, Hanamkonda

Timing of the Period Day and Date	Time : 9:50-10:40 AM	Time : 11:30-12:20 PM	Time : 1:10-2:00 PM	Time : 2:00-2:50 PM	Time : 3:00-4:00 PM	Time : 4:15-5:15 PM
MONDAY DATE : 31-10-22	Class : Topic :	Class : MPES-51C Topic : Bragg's lattice	Class : \leftarrow MPF Topic : Energy gap of Intrinsic semiconductors	Class : MPV-51C Topic : Lab \Rightarrow	Class : M.Sc-III Sem Topic : similarity btw (m) & (p) forces	Class : Topic :
TUESDAY DATE : 01-11-22	Class : Topic : \leftarrow Internal Energy \Rightarrow	Class : Topic :	Class : \leftarrow Topic :	Class : Topic :	Class : M.Sc-III Sem Topic : non central forces	Class : Topic :
WEDNESDAY DATE : 2-11-22	Class : Topic :	Class : Topic : \leftarrow casual leave \Rightarrow	Class : Topic :	Class : Topic : \leftarrow leave \Rightarrow	Class : Topic :	Class : Topic :
THURSDAY DATE : 3-11-22	Class : MPES-51C Topic : Divergence of Vector field	Class : Topic : \leftarrow casual leave \Rightarrow	Class : MPES-51A Topic : Energy gap of Intrinsic semiconductor	Class : \leftarrow V-51C Topic : Lab \Rightarrow	Class : Topic :	Class : M.Sc-III Topic : ground state of deuteron
FRIDAY DATE : 4-11-22	Class : MPES-51C Topic : Simple crystal structure	Class : MPES-51C Topic : Curl of a vector	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :
SATURDAY DATE : 5-11-22	Class : MPES-51C Topic : x-ray diffraction	Class : MPES-51C Topic : line, surface, volume integrals	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :

a) This week work load 10+3=13 b) Casual leaves availed 0 H.O.D. Principal
Principal
Vaagdevi Degree & P.G. College
Kishanpura, Hanamkonda

WEEKLY DIARY

MONTH OF: November 22

Day and Date	Time : 9:50-10:40 AM	Time : 11:30-12:20 PM	Time : 1:10-2:00 PM	Time : 2-3:50 PM	Time : 3:00-4:00 PM	Time : 4:00-5:00 PM
MONDAY 14-11-22	Class: MPE-SEM Topic: ϵ -method	Class: MPE-SEM Topic: ϵ -method	Class: MPE-SEM Topic: ϵ -method	Class: MPE-SEM Topic: ϵ -method	Class: MPE-SEM Topic: ϵ -method	Class: MPE-SEM Topic: ϵ -method
TUESDAY 15-11-22	Class: MPE-SEM Topic: ϵ -method	Class: MPE-SEM Topic: ϵ -method	Class: MPE-SEM Topic: ϵ -method	Class: MPE-SEM Topic: ϵ -method	Class: MPE-SEM Topic: ϵ -method	Class: MPE-SEM Topic: ϵ -method
WEDNESDAY 16-11-22	Class: MPE-SEM Topic: ϵ -method	Class: MPE-SEM Topic: ϵ -method	Class: MPE-SEM Topic: ϵ -method	Class: MPE-SEM Topic: ϵ -method	Class: MPE-SEM Topic: ϵ -method	Class: MPE-SEM Topic: ϵ -method
THURSDAY 17-11-22	Class: MPE-SEM Topic: ϵ -method	Class: MPE-SEM Topic: ϵ -method	Class: MPE-SEM Topic: ϵ -method	Class: MPE-SEM Topic: ϵ -method	Class: MPE-SEM Topic: ϵ -method	Class: MPE-SEM Topic: ϵ -method
FRIDAY 18-11-22	Class: MPE-SEM Topic: ϵ -method	Class: MPE-SEM Topic: ϵ -method	Class: MPE-SEM Topic: ϵ -method	Class: MPE-SEM Topic: ϵ -method	Class: MPE-SEM Topic: ϵ -method	Class: MPE-SEM Topic: ϵ -method
SATURDAY 19-11-22	Class: MPE-SEM Topic: ϵ -method	Class: MPE-SEM Topic: ϵ -method	Class: MPE-SEM Topic: ϵ -method	Class: MPE-SEM Topic: ϵ -method	Class: MPE-SEM Topic: ϵ -method	Class: MPE-SEM Topic: ϵ -method

WEEKLY DIARY

MONTH OF: November 22

Timing of the Period	Time : 9:50 - 10:40 AM	Time : 11:30 - 12:20 PM	Time : 1:10 - 2:00 PM	Time : 2 - 2:50 PM	Time : 3:00 - 4:00 PM	Time : 4:00 - 5:00 PM
Day and Date						
MONDAY DATE : 14-11-22	Class : Topic : 6:30-8:30 PM	Class : MPE & MPC Topic : MPC modeling constant for NACL	Class : MPE - Topic : Revision of labs	Class : PHY Topic : lab \Rightarrow	Class : MJC-III Topic : Introduction to Nuclear fission	Class : Topic :
TUESDAY DATE : 15-11-22	Class : Topic :	Class : MPE & MPC Topic : Born-Haber cycle.	Class : MPE - Topic : Revision of lab	Class : PHY Topic : lab \Rightarrow	Class : MJC-III Topic : Types of fission	Class : Topic :
WEDNESDAY DATE : 16-11-22	Class : MPES-SLC Topic : Problems on unit-I	Class : Topic :	Class : MPE-SLC Topic : Revision of lab	Class : PHY Topic : lab \Rightarrow	Class : MJC-III Topic : Distribution of fission products	Class : MJC-III Topic : MJC-III
THURSDAY DATE : 17-11-22	Class : MPES-SLC Topic : Laws of motion \Leftarrow	Class : Topic : \Rightarrow	Class : MPE-SLC Topic : Revision of lab	Class : PHY Topic : lab \Rightarrow	Class : MJC-III Topic : Fissile & Fertile material	Class : MJC-III Topic : MJC-III
FRIDAY DATE : 18-11-22	Class : 9-9:50 Topic : MPES-SLC Motion of variable mass system.	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :
SATURDAY DATE : 19-11-22	Class : 9-9:50 Topic : MPES-SLC Motion of a rocket	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :

a) This week work load

b) Casual leaves availed

14/11/22

H.O.D. _____

Ac. Co. _____

Principal _____

Vangadav Degri

Khanpuria, Dist. Jharkhand

WEEKLY DIARY

MONTH OF: November

Day and Date	Time: 9:50-10:40 AM	Time: 11:20-12:20 PM	Time: 1:10-2:00 PM	Time: 2-2:50 PM	Time: 3:00-4:00 PM	Time: 4:00-5:00 PM
MONDAY : 21-11-22	Class: MPCS-10 Topic: <u>Deformation of liquid drop</u>	Class: MPCS-10 Topic: <u>Deformation of liquid drop</u>	Class: MPCS-10 Topic: <u>Deformation of liquid drop</u>	Class: MPCS-10 Topic: <u>Deformation of liquid drop</u>	Class: MPCS-10 Topic: <u>Deformation of liquid drop</u>	Class: MPCS-10 Topic: <u>Deformation of liquid drop</u>
TUESDAY : 22-11-22	Class: MPCS-10 Topic: <u>Bohr's theory</u>	Class: MPCS-10 Topic: <u>Bohr's theory</u>	Class: MPCS-10 Topic: <u>Bohr's theory</u>	Class: MPCS-10 Topic: <u>Bohr's theory</u>	Class: MPCS-10 Topic: <u>Bohr's theory</u>	Class: MPCS-10 Topic: <u>Bohr's theory</u>
WEDNESDAY : 23-11-22	Class: MPCS-10 Topic: <u>Multistage Rocket</u>	Class: MPCS-10 Topic: <u>Multistage Rocket</u>	Class: MPCS-10 Topic: <u>Multistage Rocket</u>	Class: MPCS-10 Topic: <u>Multistage Rocket</u>	Class: MPCS-10 Topic: <u>Multistage Rocket</u>	Class: MPCS-10 Topic: <u>Multistage Rocket</u>
THURSDAY : 24-11-22	Class: MPCS-10 Topic: <u>Conservation of Energy</u>	Class: MPCS-10 Topic: <u>Conservation of Energy</u>	Class: MPCS-10 Topic: <u>Conservation of Energy</u>	Class: MPCS-10 Topic: <u>Conservation of Energy</u>	Class: MPCS-10 Topic: <u>Conservation of Energy</u>	Class: MPCS-10 Topic: <u>Conservation of Energy</u>
FRIDAY : 25-11-22	Class: MPCS-10 Topic: <u>Collisions in 1D</u>	Class: MPCS-10 Topic: <u>Collisions in 1D</u>	Class: MPCS-10 Topic: <u>Collisions in 1D</u>	Class: MPCS-10 Topic: <u>Collisions in 1D</u>	Class: MPCS-10 Topic: <u>Collisions in 1D</u>	Class: MPCS-10 Topic: <u>Collisions in 1D</u>
SATURDAY : 26-11-22	Class: MPCS-10 Topic: <u>Collisions in 3D</u>	Class: MPCS-10 Topic: <u>Collisions in 3D</u>	Class: MPCS-10 Topic: <u>Collisions in 3D</u>	Class: MPCS-10 Topic: <u>Collisions in 3D</u>	Class: MPCS-10 Topic: <u>Collisions in 3D</u>	Class: MPCS-10 Topic: <u>Collisions in 3D</u>

Week work load

0/24/08

b) Casual leaves availed

H.O.D.

Ac. Co.

Principal

Vaagdevi Degree & P.G. College
Khanapura, Hanamkonda

WEEKLY DIARY

MONTH OF: November

Time: 2-2:50 PM

Timing of the Period Day and Date	Time: <u>9:50-10:40 AM</u>	Time: <u>11:30-12:20 PM</u>	Time: <u>1:10-2:00 PM</u>	Time: <u>2-2:50 PM</u>	Time: <u>3:00-4:00 PM</u>	Time: <u>4:50-5:40 PM</u>
MONDAY DATE: <u>28-11-22</u>	Class: <u>MPES-11C</u> Topic: <u>Impact</u>	Class: <u>MPES-11C</u> Topic: <u>Impact</u>	Class: <u>MPES-11C</u> Topic: <u>Impact</u>	Class: <u>MPES-11C</u> Topic: <u>Impact</u>	Class: <u>MPES-11C</u> Topic: <u>Impact</u>	Class: <u>MPES-11C</u> Topic: <u>Impact</u>
TUESDAY DATE: <u>29-11-22</u>	Class: <u>MPES-11C</u> Topic: <u>Impact</u>	Class: <u>MPES-11C</u> Topic: <u>Impact</u>	Class: <u>MPES-11C</u> Topic: <u>Impact</u>	Class: <u>MPES-11C</u> Topic: <u>Impact</u>	Class: <u>MPES-11C</u> Topic: <u>Impact</u>	Class: <u>MPES-11C</u> Topic: <u>Impact</u>
WEDNESDAY DATE: <u>30-11-22</u>	Class: <u>MPES-11C</u> Topic: <u>Impact</u>	Class: <u>MPES-11C</u> Topic: <u>Impact</u>	Class: <u>MPES-11C</u> Topic: <u>Impact</u>	Class: <u>MPES-11C</u> Topic: <u>Impact</u>	Class: <u>MPES-11C</u> Topic: <u>Impact</u>	Class: <u>MPES-11C</u> Topic: <u>Impact</u>
THURSDAY DATE: <u>01-12-22</u>	Class: <u>MPES-11C</u> Topic: <u>Impact</u>	Class: <u>MPES-11C</u> Topic: <u>Impact</u>	Class: <u>MPES-11C</u> Topic: <u>Impact</u>	Class: <u>MPES-11C</u> Topic: <u>Impact</u>	Class: <u>MPES-11C</u> Topic: <u>Impact</u>	Class: <u>MPES-11C</u> Topic: <u>Impact</u>
FRIDAY DATE: <u>02-12-22</u>	Class: <u>MPES-11C</u> Topic: <u>Impact</u>	Class: <u>MPES-11C</u> Topic: <u>Impact</u>	Class: <u>MPES-11C</u> Topic: <u>Impact</u>	Class: <u>MPES-11C</u> Topic: <u>Impact</u>	Class: <u>MPES-11C</u> Topic: <u>Impact</u>	Class: <u>MPES-11C</u> Topic: <u>Impact</u>
SATURDAY DATE: <u>03-12-22</u>	Class: <u>MPES-11C</u> Topic: <u>Impact</u>	Class: <u>MPES-11C</u> Topic: <u>Impact</u>	Class: <u>MPES-11C</u> Topic: <u>Impact</u>	Class: <u>MPES-11C</u> Topic: <u>Impact</u>	Class: <u>MPES-11C</u> Topic: <u>Impact</u>	Class: <u>MPES-11C</u> Topic: <u>Impact</u>

a) This week work load

04 hours

b) Casual leaves availed

0

H.O.D.

Ac. Co.

Principal

DAILY DIARY

MONTH OF: November December

Day and Date	Time: 9:50-10:40 AM	Time: 11:20-12:20 PM	Time: 1:10-2:00 PM	Time: 2-2:45 PM	Time: 3:00-4:00 PM	Time: 4:15-5:00 PM
MONDAY 05-12-22	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: M.Sc-III Km Topic: pair functions interaction	Class: Topic:
TUESDAY 06-12-22	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: M.Sc-III Km Topic: Crowi-lational laws	Class: Topic:
WEDNESDAY 07-12-22	Class: M.Pes-sic-III Km Topic: Angular momentum & Tensor at tensor.	Class: Topic:	Class: Topic:	Class: Topic:	Class: M.Sc-III Km Topic: Electro magnetic laws.	Class: Topic:
THURSDAY 08-12-22	Class: M.Pes-sic-III Km Topic: Angular momentum & Tensor at tensor.	Class: Topic:	Class: Topic:	Class: Topic:	Class: M.Sc-III Km Topic: Strong & weak laws.	Class: Topic:
FRIDAY 09-12-22	Class: M.Pes-sic-III Km Topic: Euler's equation	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:
SATURDAY 10-12-22	Class: M.Pes-sic-III Km Topic: Precession of a top	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:

work load

04/11/2023

b) Casual leaves availed

H.O.D.

Ac. Co.

Principal

WEEKLY DIARY		MONTH OF: <u>November</u> <u>Dec</u> <u>emb</u> <u>er</u> <u>-22</u>				
Timing of the Period	Day and Date	Time : 9:50-10:40 AM	Time : 11:30-12:20 PM	Time : 1:10-2:00 PM	Time : 2-2:50 PM	Time : 3:00-4:00 PM
MONDAY DATE : 12-12-22		Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic : Conservation laws
TUESDAY DATE : 13-12-22		Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic : Invasive under charge
WEDNESDAY DATE : 14-12-22		Class : MPes-51c- Topic : <u>Team</u> <u>Cyano</u> <u>rope</u>	Class : Topic :	Class : Topic :	Class : Topic :	Class : MPes-4 Topic : <u>Paefby</u>
THURSDAY DATE : 15-12-22		Class : MPes-51c- Topic : <u>problem on unit 5</u> <u>9-9:50</u>	Class : Topic :	Class : Topic :	Class : Topic :	Class : MPes-4 Topic : <u>CP-time</u>
FRIDAY DATE : 16-12-22		Class : MPes-51c- Topic : <u>Central forces</u> <u>9-9:50</u>	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :
SATURDAY DATE : 17-12-22		Class : MPes-51c- Topic : <u>Conservative nature of central forces</u> <u>9-9:50</u>	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :

a) This week work load

02/11/2028

b) Casual leaves availed

0

H.O.D.

Ac. Co.

Principal

WEEKLY DIARY

MONTH OF: December-22

Day and Date	Time: 09:50-10:40 AM	Time: 11:30-12:20 PM	Time: 1:10-2:00 PM	Time: 2:25-3:00 PM	Time: 3:00-4:00 PM	Time: 4:45-5 PM
MONDAY 11-12-22	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: M.Sc III km Topic: CPT	Class: Topic:
TUESDAY 12-12-22	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: M.Sc III km Topic: lepton & Baryon number	Class: Topic:
WEDNESDAY 13-12-22	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:
THURSDAY 14-12-22	Class: M.Pes-sic I km Topic: conservative force as a negative gradient of potential energy	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: M.Sc III km Topic: Elementary particles symmetry
FRIDAY 15-12-22	Class: M.Pes-sic I km Topic: Equation of motion under a central force.	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:
SATURDAY 17-12-22	Class: M.Pes-sic I km Topic: Gravitational potential of gravitational field.	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:

work load

23+3=06

b) Casual leaves availed

6

H.O.D.

Ac. Co.

Principal

WEEKLY DIARY

MONTH OF: December

Page No: 22

Day and Date	Time: 09:50-10:40 AM	Time: 11:30-12:20 PM	Time: 1:10-2:00 PM	Time: 2:50-3:40 PM	Time: 3:50-4:40 PM
MONDAY 11-12-22	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:
TUESDAY 12-12-22	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:
WEDNESDAY 13-12-22	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:
THURSDAY 14-12-22	Class: M.P.E.S. I km Topic: Conservative force as a negative gradient of potential energy	Class: Topic:	Class: Topic:	Class: Topic:	Class: M.P.E.S. I km Topic: Elementary particles symmetry
FRIDAY 15-12-22	Class: M.P.E.S. I km Topic: Equation of motion under a central force.	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:
SATURDAY 16-12-22	Class: M.P.E.S. I km Topic: Gravitational potential of gravitational field.	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:

Work load

23+3=06

b) Casual leaves available

6

Ac. Co.

H.O.D.

Principal

WEEKLY DIARY		MONTH OF : <u>December 22</u>				
Timing of the Period	Day and Date	Time : 08:50-10:40 AM	Time : 11:30-12:20 PM	Time : 1:10-2:00 PM	Time : 2-2:50 PM	Time : 3-4 PM
MONDAY DATE : 26-12-22		Class : Topic : ← Bowing day →	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic : Time : 4-5 PM
TUESDAY DATE : 27-12-22		Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic : SU(2)	Class : Topic :
WEDNESDAY DATE : 28-12-22		Class : Topic : Motion under inverse square law .	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic : SU(2)
THURSDAY DATE : 29-12-22		Class : Topic : Derivation of Kepler's law - I 9-9:50	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic : SU(3)
FRIDAY DATE : 30-12-22		Class : Topic : Derivation of Kepler's law - II 9-9:50	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :
SATURDAY DATE : 31-12-22		Class : Topic : Derivation of Kepler's law - III	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :

MONTH OF : <u>January : 23</u>						
DIARY	of the Period and Date	Time : 9:30-10:40 AM	Time : 10:40-11:30 AM	Time : 11:30-12:22 PM	Time : 2:00-2:50 PM	Time : 3:00-4:00 PM
SUNDAY 2-1-23	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : M. Topic :	Class : M. 3C-III (M) Topic : 3U(3)
	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :
TUESDAY 3-1-23	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :
	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :
WEDNESDAY 4-1-23	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :
	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :
THURSDAY 5-1-23	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :
	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :
FRIDAY 6-1-23	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :
	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :
SATURDAY 7-1-23	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :
	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :

week work load _____

b) Casual leaves availed _____

H.O.D.

Ac. Co.

Principal

MONTH OF : February - 23

WEEKLY DIARY

Timing of the Period Day and Date	Time : 9:50 - 10:40 AM	Time : 11:30 - 12:20 PM	Time : 1:10 - 2:00 PM	Time : 2:25 - 3:00 PM	Time : 3:40 PM	Time : 4 - 5 PM
MONDAY Date : 06-2-23	Class : Topic : ← Notes	Class : Topic : ← Notes	Class : Topic : ← Notes	Class : Topic : ← Notes	Class : Topic : ← Notes	Class : Topic : ← Notes
TUESDAY Date : 7-2-23	Class : Topic : ← Notes	Class : Topic : ← Notes	Class : Topic : ← Notes	Class : Topic : ← Notes	Class : Topic : ← Notes	Class : Topic : ← Notes
WEDNESDAY Date : 8-2-23	Class : Topic : ← Notes	Class : Topic : ← Notes	Class : Topic : ← Notes	Class : Topic : ← Notes	Class : Topic : ← Notes	Class : Topic : ← Notes
THURSDAY Date : 9-2-23	Class : Topic : ← Notes	Class : Topic : ← Notes	Class : Topic : ← Notes	Class : Topic : ← Notes	Class : Topic : ← Notes	Class : Topic : ← Notes
FRIDAY Date : 10-2-23	Class : mpc & mpe Topic : VI unit Introduction	Class : Topic : ← Notes	Class : Topic : ← Notes	Class : Topic : ← Notes	Class : Topic : ← Notes	Class : Topic : ← Notes
SATURDAY Date : 11-2-23	Class : mpc & mpe Topic : VI unit Introduction	Class : Topic : ← Notes	Class : Topic : ← Notes	Class : Topic : ← Notes	Class : Topic : ← Notes	Class : Topic : ← Notes

This week work load 04

b) Casual leaves availed 00

H.O.D.

Ac. Co.

Principal

WEEKLY DIARY						
MONTH OF : February -23						
Timing of the Period	Time	Time	Time	Time	Time	Time
Day and Date	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :
MONDAY DATE : 13-2-23	Class : Topic : Band theory of solids	Class : Topic : MPE-VI Introduction	Class : Topic : MPE-VI Introduction	Class : Topic : MPE-VI Introduction	Class : Topic : MPE-VI Introduction	Class : Topic : MPE-VI Introduction
TUESDAY DATE : 14-2-23	Class : Topic : Valence band	Class : Topic : MPE-VI Introduction	Class : Topic : MPE-VI Introduction	Class : Topic : MPE-VI Introduction	Class : Topic : MPE-VI Introduction	Class : Topic : MPE-VI Introduction
WEDNESDAY DATE : 15-2-23	Class : Topic :	Class : Topic : MPE-VI Introduction	Class : Topic : MPE-VI Introduction	Class : Topic : MPE-VI Introduction	Class : Topic : MPE-VI Introduction	Class : Topic : MPE-VI Introduction
THURSDAY DATE : 16-2-23	Class : Topic :	Class : Topic : MPE-VI Introduction	Class : Topic : MPE-VI Introduction	Class : Topic : MPE-VI Introduction	Class : Topic : MPE-VI Introduction	Class : Topic : MPE-VI Introduction
FRIDAY DATE : 17-2-23	Class : Topic : Casual	Class : Topic : MPE-VI Introduction	Class : Topic : MPE-VI Introduction	Class : Topic : MPE-VI Introduction	Class : Topic : MPE-VI Introduction	Class : Topic : MPE-VI Introduction
SATURDAY DATE : 18-2-23	Class : Topic : Mahashivaratri	Class : Topic : MPE-VI Introduction	Class : Topic : MPE-VI Introduction	Class : Topic : MPE-VI Introduction	Class : Topic : MPE-VI Introduction	Class : Topic : MPE-VI Introduction

a) This week work load 10

b) Casual leaves availed 01

H.O.D.

Ac. Co.

Principal

TEACHING DIARY		MONTH OF: Feb-23				
Day and Date	Time	Time	Time	Time	Time	Time
MONDAY 20-2-23	9:50-10:40 AM	11:30-12:20 PM	1:10-2:00 PM	2-2:50 PM	3-4 PM	4-5 PM
	Class: Topic:	Class: MPC & MPF Topic: ∇ x m Conduction band	Class: Topic: MPE - ∇ x m construction of logic gates	Class: Topic: MPE - ∇ x m construction of logic gates	Class: Topic:	Class: Topic:
TUESDAY 21-2-23		Class: MPC & MPF Topic: ∇ x m Forbidden Energy gap	Class: Topic: MPE - ∇ x m construction of logic gates	Class: Topic: ∇ x m of logic gates	Class: Topic:	Class: Topic:
WEDNESDAY 22-2-23		Class: Topic:	Class: Topic: MPE - ∇ x m construction of logic gates	Class: Topic: ∇ x m of logic gates	Class: Topic:	Class: Topic:
THURSDAY 23-2-23		Class: MPC & MPF Topic: ∇ x m Introduction	Class: Topic: MPE - ∇ x m logic gates by universal gates	Class: Topic: ∇ x m by universal gates	Class: Topic:	Class: Topic:
FRIDAY 24-2-23		Class: MPC & MPF Topic: ∇ x m Insulators	Class: Topic: MPE - ∇ x m Mauweli's law	Class: Topic:	Class: Topic:	Class: Topic:
SATURDAY 25-2-23		Class: MPC & MPF Topic: ∇ x m Semiconductors	Class: Topic: MPE - ∇ x m Mauweli's law	Class: Topic:	Class: Topic:	Class: Topic:

week work load 15

b) Casual leaves availed 00

H.O.D.

Ac. Co.

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Principal

WEEKLY DIARY		MONTH OF: Feb - 23 March - 23				
Timing of the Period	Day and Date	Time	Time	Time	Time	Time
MONDAY DATE: 27-2-23		9:50-10:40 AM	11:30-12:20 PM	2-2:50 PM	3-4 PM	4-5 PM
		Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:
TUESDAY DATE: 28-2-23						
		Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:
WEDNESDAY DATE: 1-3-23						
		Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:
THURSDAY DATE: 2-3-23						
		Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:
FRIDAY DATE: 3-3-23						
		Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:
SATURDAY DATE: 4-3-23						
		Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:

a) This week work load

20

b) Casual leaves availed

01

H.O.D.

Ac. Co.

Principal

WEEKLY DIARY

Timing of the Period

Day and Date

MONDAY

ATE: 6-3-23

Time: 9:50 - 10:40

Class:
Topic:

Time: 11:30 - 12:20

Class: mpc & mpe
Topic: VI sem
Fermi level

Time: 1:10 - 2:00 PM

Class:
Topic:Class: mpe (lab) \Rightarrow
Topic: logic gates & universal gates

Time: 2-2:50 PM

Class:
Topic:

Time: 3-4 PM

Class: m-sc-IV sem
Topic: characteristic tables of C2 & C3

Time: 4-5 PM

Class:
Topic:

TUESDAY

ATE: 7-3-23

Class:
Topic:Class:
Topic:Class:
Topic:

WEDNESDAY

ATE: 8-3-23

Class: mpc & sic
Topic: II sem
'S' in reversible processClass:
Topic:Class:
Topic:Class:
Topic:Class: mpc & sic (lab)
Topic: NAND & NOR gatesClass:
Topic:Class: m-sc-IV sem
Topic: Normal modes of vibrations

THURSDAY

ATE: 9-3-23

Class: mpc & sic
Topic: II sem
'S' in irreversible processClass:
Topic:Class:
Topic:Class: mpc & sic
Topic: NAND & NOR gatesClass:
Topic:Class:
Topic:Class: m-sc-IV sem
Topic: Infrared & Raman reflection

FRIDAY

ATE: 10-3-23

Class: mpc & mpe
Topic: VI sem
Continuity equationClass: mpc & sic
Topic: II sem
Entropy & disorderClass: mpc & mpe
Topic: VI sem
Continuity equationClass: mpc & sic
Topic: II sem
T-s diagramClass:
Topic:Class:
Topic:Class:
Topic:

SATURDAY

ATE: 11-3-23

Class: mpc & mpe
Topic: VI sem
PN Junction diodeClass: mpc & sic
Topic: II sem
'S' in perfect gasClass: mpc & mpe
Topic: VI sem
PN Junction diodeClass: mpc & sic
Topic: II sem
'S' \rightarrow entropy change & eq
ice into steamClass:
Topic:Class:
Topic:Class:
Topic:

This week work load

20

b) Casual leaves availed

00

H.O.D.

Ac. Co.

Principal

WEEKLY DIARY		MONTH OF: <u>March 23</u>				
Timing of the Period	Day and Date	Time: 9:50-10:40 AM	Time: 11:30-12:20 PM	Time: 1:10-2:00 PM	Time: 2-2:50 PM	Time: 3-4 PM
MONDAY DATE: 13-3-23		Class: Topic:	Class: Topic: <u>casual leave</u>	Class: Topic:	Class: Topic: <u>⇒</u>	Class: Topic:
TUESDAY DATE: 14-3-23		Class: Topic:	Class: <u>MPC & MPE</u> Topic: <u>VI & KM</u> <u>Half wave rectifier</u>	Class: Topic: <u>MPC-VI</u> <u>NAND & NOR gates</u>	Class: <u>MPC-VI</u> Topic: <u>Rotational spectrum</u>	Class: Topic:
WEDNESDAY DATE: 15-3-23		Class: <u>MPC & SIC</u> Topic: <u>VI & KM</u> <u>Thermodynamics potential</u>	Class: Topic:	Class: Topic: <u>MPC-VI</u> <u>RC-coupled amplifier</u>	Class: Topic:	Class: <u>MPC-VI</u> Topic: <u>Rotational spectrum</u>
THURSDAY DATE: 16-3-23		Class: <u>MPC & SIC</u> Topic: <u>VI & KM</u> <u>Derivation of Maxwell's thermodynamic relation</u>	Class: Topic:	Class: Topic: <u>MPC-VI</u> <u>RC-coupled amplifier</u>	Class: Topic:	Class: <u>MPC-VI</u> Topic: <u>Diamagnetic vibrating rotation</u>
FRIDAY DATE: 17-3-23		Class: <u>MPC & MPE</u> Topic: <u>VI & KM</u> <u>Half wave rectifier</u>	Class: <u>MPC & SIC</u> Topic: <u>VI & KM</u> <u>Maxwell's equation</u> <u>q-9:50</u>	Class: <u>MPC & MPE</u> Topic: <u>VI & KM</u> <u>Full-wave rectifier</u>	Class: <u>MPC & SIC</u> Topic: <u>VI & KM</u> <u>Ratio of specific heats</u>	Class: Topic:
SATURDAY DATE: 18-3-23		Class: <u>MPC & MPE</u> Topic: <u>VI & KM</u> <u>Full-wave rectifier</u>	Class: <u>MPC & SIC</u> Topic: <u>VI & KM</u> <u>Joule Kelvin effect</u> <u>q-9:50</u>	Class: <u>MPC & MPE</u> Topic: <u>VI & KM</u> <u>Bridge rectifier</u>	Class: <u>MPC & SIC</u> Topic: <u>VI & KM</u> <u>Joule Kelvin effect</u>	Class: Topic:

MONTH OF: April-23

WEEKLY DIARY

Timing of the Period Day and Date	Time: 9:50-10:40 AM	Time: 11:30-12:20 PM	Time: 1:10-2:00 PM	Time: 2-2:50 PM	Time: 3-4:00 PM	Time: 4-5:00 PM
MONDAY DATE: 27-3-23	Class: MPE & MPE Topic: VI & VII n-p-n Transistor	Class: MPE & MPE Topic: VI & VII current components in transistors	Class: MPE & MPE Topic: VI & VII PN-Junction diode	Class: MPE & MPE Topic: VI & VII RC-coupled Amplifier	Class: MPE & MPE Topic: VI & VII molecular polarizability	Class: MPE & MPE Topic: VI & VII
TUESDAY DATE: 28-3-23	Class: MPE & MPE Topic: VI & VII vapour, compression type	Class: MPE & MPE Topic: VI & VII PN-Junction diode	Class: MPE & MPE Topic: VI & VII PN-Junction diode	Class: MPE & MPE Topic: VI & VII RC-coupled Amplifier	Class: MPE & MPE Topic: VI & VII molecular polarizability	Class: MPE & MPE Topic: VI & VII
WEDNESDAY DATE: 29-3-23	Class: MPE & MPE Topic: VI & VII vapour, compression type	Class: MPE & MPE Topic: VI & VII PN-Junction diode	Class: MPE & MPE Topic: VI & VII PN-Junction diode	Class: MPE & MPE Topic: VI & VII RC-coupled Amplifier	Class: MPE & MPE Topic: VI & VII molecular polarizability	Class: MPE & MPE Topic: VI & VII
THURSDAY DATE: 30-3-23	Class: MPE & MPE Topic: VI & VII vapour, compression type	Class: MPE & MPE Topic: VI & VII PN-Junction diode	Class: MPE & MPE Topic: VI & VII PN-Junction diode	Class: MPE & MPE Topic: VI & VII RC-coupled Amplifier	Class: MPE & MPE Topic: VI & VII molecular polarizability	Class: MPE & MPE Topic: VI & VII
FRIDAY DATE: 31-3-23	Class: MPE & MPE Topic: VI & VII vapour, compression type	Class: MPE & MPE Topic: VI & VII PN-Junction diode	Class: MPE & MPE Topic: VI & VII PN-Junction diode	Class: MPE & MPE Topic: VI & VII RC-coupled Amplifier	Class: MPE & MPE Topic: VI & VII molecular polarizability	Class: MPE & MPE Topic: VI & VII
SATURDAY DATE: 1-4-23	Class: MPE & MPE Topic: VI & VII vapour, compression type	Class: MPE & MPE Topic: VI & VII PN-Junction diode	Class: MPE & MPE Topic: VI & VII PN-Junction diode	Class: MPE & MPE Topic: VI & VII RC-coupled Amplifier	Class: MPE & MPE Topic: VI & VII molecular polarizability	Class: MPE & MPE Topic: VI & VII

a) This week work load

16

b) Casual leaves availed

01

H.O.D.

Ac. Co.

Principal

WEEKLY DIARY

Timing of the Period
Day and Date

MONDAY

DATE: 3-4-23

TUESDAY

DATE: 4-4-23

WEDNESDAY

DATE: 5-4-23

THURSDAY

DATE: 6-4-23

FRIDAY

DATE: 7-4-23

SATURDAY

DATE: 8-4-23

MONTH OF: March April-23

Timing of the Period Day and Date	Time : 9:50-10:40 AM	Time : 11:30-12:20 PM	Time : 1:10-2:00 PM	Time : 2-2:50PM	Time : 3-4PM	Time : 4-5PM
MONDAY DATE: 3-4-23	Class : Topic :	Class : MPC & MPE Topic : VI & EM CC - configuration	Class : Topic : \Leftarrow MPE PN Junction diode	Class : Topic : \Leftarrow MPE PN Junction diode	Class : M. SC - IV & (M) Topic : Vibrational Raman spectra.	Class : Topic :
TUESDAY DATE: 4-4-23	Class : Topic :	Class : MPC & MPE Topic : VI & EM Transistor as a amplifier.	Class : Topic : \Leftarrow MPE Zener diode	Class : Topic : \Leftarrow MPE Zener diode	Class : M. SC - IV & (M) Topic : Rotational fine structure	Class : Topic :
WEDNESDAY DATE: 5-4-23	Class : Topic :	Class : Topic : \Leftarrow Jagjeewan & ran - jayanti \Rightarrow	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :
THURSDAY DATE: 6-4-23	Class : MPC & MPE Topic : Rayleigh - Jeans law	Class : Topic :	Class : Topic : \Leftarrow MPE & MPE PN - Junction diode	Class : Topic : \Leftarrow MPE & MPE PN - Junction diode	Class : Topic :	Class : M. SC - IV & (M) Topic : Vibrations of spherical top molecule
FRIDAY DATE: 7-4-23	Class : Topic :	Class : Topic : \Leftarrow GOOD 9-9:50	Class : Topic :	Class : Topic : Friday \Rightarrow	Class : Topic :	Class : Topic :
SATURDAY DATE: 8-4-23	Class : MPC & MPE Topic : VI & EM RC - Coupled amplifier	Class : MPC & MPE Topic : VI & EM Rayleigh - Jeans law	Class : MPC & MPE Topic : VI & EM RC - coupled Amplifier	Class : MPC & MPE Topic : VI & EM Planck's law	Class : Topic :	Class : Topic :

a) This week work load

16

b) Casual leaves availed

00

H.O.D.

Ac. Co.

Principal

WEEKLY DIARY		MONTH OF: <u>April-23</u>				
Timing of the Period	Day and Date	Time : 9:50-10:40	Time : 11:30-12:20	Time : 1:10-2:00	Time : 2-2:50	Time : 3-4:00
MONDAY DATE: 16-4-23		Class : Topic : Ambedhkar Jayanti	Class : Topic : Feedback oscillators	Class : Topic : MPC-VI Zener diode	Class : Topic : MPC-VI (lab) ⇒ Zener diode	Class : Topic : ⇒ Internal - I conducted - For MPC-VI
TUESDAY DATE: 17-4-23		Class : Topic : Planck's law	Class : Topic : MPC-VI Back hawen's criteria	Class : Topic : MPC-VI Zener diode as a voltage regulator	Class : Topic : MPC-VI (lab) ⇒	Class : Topic : ⇒ Internal - I conducted - For MPC-VI
WEDNESDAY DATE: 18-4-23		Class : Topic : Planck's law	Class : Topic : MPC-VI Planck's law	Class : Topic : MPC-VI Zener diode	Class : Topic : MPC-VI (lab) ⇒	Class : Topic : ⇒ Internal - I conducted - For MPC-VI
THURSDAY DATE: 19-4-23		Class : Topic : Planck's law	Class : Topic : MPC-VI Planck's law	Class : Topic : MPC-VI Zener diode	Class : Topic : MPC-VI (lab) ⇒	Class : Topic : ⇒ Internal - I conducted - For MPC-VI
FRIDAY DATE: 20-4-23		Class : Topic : Planck's law	Class : Topic : MPC-VI Planck's law	Class : Topic : MPC-VI Zener diode	Class : Topic : MPC-VI (lab) ⇒	Class : Topic : ⇒ Internal - I conducted - For MPC-VI
SATURDAY DATE: 21-4-23		Class : Topic : Planck's law	Class : Topic : MPC-VI Planck's law	Class : Topic : MPC-VI Zener diode	Class : Topic : MPC-VI (lab) ⇒	Class : Topic : ⇒ Internal - I conducted - For MPC-VI

KLY DIARY		MONTH OF: <u>March</u> / <u>April-23</u>					
Day of the Period Day and Date		Time : 9:30-10:40 <u>AM</u>	Time : 11:30-12:20 <u>PM</u>	Time : 1:10-2:00 <u>PM</u>	Time : 2-2:50 <u>PM</u>	Time : 3-4 <u>PM</u>	Time : 4-5 <u>PM</u>
MONDAY 17-4-23	Class : Topic : <u>Angstrom pyrometry</u>	Class : <u>MPE & MPE</u> Topic : <u>VI & VII</u> <u>photo diode,</u> <u>shockley diode</u>	Class : Topic : MPE <u>Zener diode & a</u> <u>voltage regulator</u>	Class : Topic : MPE <u>Demorgan's law</u>	Class : Topic : MPE <u>Demorgan's law</u>	Class : <u>M.Sc-IV</u> Topic : <u>vibrational</u> <u>structure</u>	Class : Topic :
TUESDAY 18-4-23	Class : Topic : 	Class : <u>MPE & MPE</u> Topic : <u>VI & VII</u> <u>Solar cell,</u> <u>opto coupler.</u>	Class : Topic : MPE <u>Demorgan's law</u>	Class : Topic : MPE <u>Demorgan's law</u>	Class : <u>M.Sc-IV</u> Topic : <u>Franck - condon</u> <u>principle</u>	Class : Topic : 	Class : Topic :
WEDNESDAY 19-4-23	Class : <u>MPE & SIC-</u> Topic : <u>II & III</u> <u>Angstrom</u> <u>pyrometry</u>	Class : Topic : 	Class : Topic : MPE <u>Demorgan's law</u>	Class : Topic : MPE <u>Demorgan's law</u>	Class : Topic : 	Class : <u>M.Sc-IV</u> Topic : <u>Dissociation</u> <u>Energy</u>	Class : <u>M.Sc-IV</u> Topic : <u>R - E - v</u> <u>Transition</u>
THURSDAY 20-4-23	Class : <u>MPE & SIC-</u> Topic : <u>II & III</u>	Class : Topic : 	Class : Topic : MPE <u>Demorgan's law</u>	Class : Topic : MPE <u>Demorgan's law</u>	Class : Topic : 	Class : Topic : 	Class : Topic :
FRIDAY 21-4-23	Class : <u>MPE & MPE</u> Topic : <u>VI & VII</u> <u>FET</u>	Class : <u>MPE & SIC-</u> Topic : <u>II & III</u> <u>Solar</u> <u>constant</u>	Class : <u>MPE & MPE</u> Topic : <u>VI & VII</u> <u>UIT</u>	Class : <u>MPE & SIC-</u> Topic : <u>II & III</u> <u>Effective</u> <u>temperature sun.</u>	Class : Topic : 	Class : Topic : 	Class : Topic :
SATURDAY 22-4-23	Class : Topic : 	Class : Topic : <u>Ramjan</u>	Class : Topic : 	Class : Topic : 	Class : Topic : 	Class : Topic : 	Class : Topic :

is week work load 20 b) Casual leaves availed 00 Ac. Co. 10 H.O.D. Principal

WEEKLY DIARY

MONTH OF: Apr-23

Timing of the Period Day and Date	Time: 9:50-10:40 AM	Time: 11:30-12:20 PM	Time: 12:10-2:00 PM	Time: 2-2:50 PM	Time: 3-4 PM	Time: 4-5 PM
MONDAY DATE: 24-4-23	Class: MPE & MPE Topic: VI & M SCR	Class: MPE & MPE Topic: VI & M Binary number system	Class: MPE & MPE Topic: VI & M MPE VI & M (a,b) ⇒ Demorgan's law	Class: MPE & MPE Topic: VI & M MPE VI & M (a,b) ⇒	Class: MPE & MPE Topic: VI & M Synchronization Radiation source	Class: MPE & MPE Topic: VI & M
TUESDAY DATE: 25-4-23	Class: MPE & MPE Topic: VI & M	Class: MPE & MPE Topic: VI & M Binary number system	Class: MPE & MPE Topic: VI & M MPE VI & M ⇒ gates	Class: MPE & MPE Topic: VI & M MPE VI & M (a,b) ⇒	Class: MPE & MPE Topic: VI & M Dye laser	Class: MPE & MPE Topic: VI & M
WEDNESDAY DATE: 26-4-23	Class: MPE & MPE Topic: VI & M Introduction to statistical mechanics	Class: MPE & MPE Topic: VI & M	Class: MPE & MPE Topic: VI & M MPE VI & M ⇒ Zener diode as a voltage regulator	Class: MPE & MPE Topic: VI & M MPE VI & M (a,b) ⇒	Class: MPE & MPE Topic: VI & M	Class: MPE & MPE Topic: VI & M Thermal detector photomultiplier tube
THURSDAY DATE: 27-4-23	Class: MPE & MPE Topic: VI & M Phase space	Class: MPE & MPE Topic: VI & M 9-9:50	Class: MPE & MPE Topic: VI & M MPE VI & M ⇒ Zener diode as a voltage regulator	Class: MPE & MPE Topic: VI & M MPE VI & M (a,b) ⇒	Class: MPE & MPE Topic: VI & M	Class: MPE & MPE Topic: VI & M Identification of fundamental
FRIDAY DATE: 28-4-23	Class: MPE & MPE Topic: VI & M C B to decimal & vice versa	Class: MPE & MPE Topic: VI & M ensemble	Class: MPE & MPE Topic: VI & M Binary subtraction	Class: MPE & MPE Topic: VI & M probability	Class: MPE & MPE Topic: VI & M	Class: MPE & MPE Topic: VI & M
SATURDAY DATE: 29-4-23	Class: MPE & MPE Topic: VI & M Binary addition	Class: MPE & MPE Topic: VI & M M.B.D law	Class: MPE & MPE Topic: VI & M Hexa decimal number	Class: MPE & MPE Topic: VI & M M.B.D law	Class: MPE & MPE Topic: VI & M	Class: MPE & MPE Topic: VI & M

a) This week work load

24

b) Casual leaves availed

00

H.O.D.

Ac. Co.

Principal

TEACHING DIARY

CC-2014-2015

MONTH OF: Apr-23 / May-23

Day and Date	Time: 9:50-10:40 AM	Time: 11:30-12:20 PM	Time: 1:10-2:00 PM	Time: 2-2:50 PM	Time: 3-4 PM	Time: 4-5 PM
MONDAY 1-5-23	Class: Topic: B.E D law	Class: mpc & mpe Topic: VI rem Binary conversion & subtraction	Class: mpc Topic: VI rem Revised correction	Class: mpc (lab) Topic: Record correction	Class: mpc-IV (lab) Topic: Magnetic properties of nucleus	Class: Topic:
TUESDAY 2-5-23	Class: Topic: OR gate	Class: mpc & mpe Topic: VI rem	Class: Topic: Revised correction	Class: Topic: VI rem (lab) Record correction	Class: mpc-IV (lab) Topic: Resonance condition	Class: Topic:
WEDNESDAY 3-5-23	Class: mpc-III Topic: B.E D law	Class: Topic:	Class: Topic: Revised correction	Class: Topic: VI rem (lab) Record correction	Class: Topic:	Class: mpc-IV (lab) Topic: Bloch's equation
THURSDAY 4-5-23	Class: mpc-III Topic: B.E D law	Class: Topic:	Class: Topic: Revised correction	Class: Topic: VI rem (lab) Record correction	Class: Topic:	Class: mpc-IV (lab) Topic: Relaxation process - spin lattice & spin-spin relaxation
FRIDAY 5-5-23	Class: mpc & mpe Topic: VI rem AND & Not gate	Class: mpc-III Topic: F.D.D law 9-9:50	Class: mpc & mpe Topic: VI rem NOR gate	Class: mpc-III Topic: Comparison Bto law	Class: Topic:	Class: Topic:
SATURDAY 6-5-23	Class: mpc & mpe Topic: VI rem NAND gate	Class: mpc-III Topic: Application of B-E law 9-9:50	Class: mpc & mpe Topic: VI rem Demorgan's law	Class: mpc-III Topic: Application of B-E law	Class: Topic:	Class: Topic:

week work load 24

b) Casual leaves availed 00

H.O.D. Ac. Co.

Principal

WEEKLY DIARY

DATE: 10-5-23

MONTH OF: May-23

Timing of the Period Day and Date	Time: 9:50-10:40 AM	Time: 11:30-12:20 PM	Time: 1:10-2:00 PM	Time: 2-2:50 PM	Time: 3-4 PM	Time: 4-5
MONDAY DATE: 8-5-23	Class: Topic: X	Class: Topic: Casual	Class: Topic: leave ⇒	Class: Topic: leave ⇒	Class: Topic: leave ⇒	Class: Topic: leave ⇒
TUESDAY DATE: 9-5-23	Class: Topic: X	Class: Topic: Casual	Class: Topic: leave ⇒	Class: Topic: leave ⇒	Class: Topic: leave ⇒	Class: Topic: leave ⇒
WEDNESDAY DATE: 10-5-23	Class: M.P.C - Topic: UNIT- Application's of F-D law	Class: Topic: Application's of F-D law	Class: Topic: Application's of F-D law	Class: Topic: Application's of F-D law	Class: Topic: Application's of F-D law	Class: M.P.C - Topic: UNIT- Application's of F-D law
THURSDAY DATE: 11-5-23	Class: M.P.C - Topic: UNIT- Application's of F-D law	Class: Topic: Application's of F-D law	Class: Topic: Application's of F-D law	Class: Topic: Application's of F-D law	Class: Topic: Application's of F-D law	Class: M.P.C - Topic: UNIT- Application's of F-D law
FRIDAY DATE: 12-5-23	Class: M.P.C - Topic: UNIT- Problems on Unit I	Class: Topic: Problems on Unit I	Class: Topic: Problems on Unit I	Class: M.P.C - Topic: UNIT- Problems on Unit I	Class: Topic: Problems on Unit I	Class: M.P.C - Topic: UNIT- Problems on Unit I
SATURDAY DATE: 13-5-23	Class: Q - Topic: M.P.C - Problem on UNIT-II	Class: Topic: Problem on UNIT-II	Class: Topic: Problem on UNIT-II	Class: M.P.C - Topic: UNIT- Problem on UNIT-II	Class: Topic: Problem on UNIT-II	Class: M.P.C - Topic: UNIT- Problem on UNIT-II

a) This week work load

10

b) Casual leaves available

02

H.O.D.

Ac. Co.

Principal

MONTH OF: May -23							
DAY DIARY	Day and Date	Time: 9:50 - 10:40 AM	Time: 11:30 - 12:20 PM	Time: 1:10 - 2:00 PM	Time: 2:20 - 3:10 PM	Time: 3:40 PM	Time: 4-5 PM
MONDAY 15-5-23		Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: M.Sc-IV sem Topic: Principles of ESR.	Class: Topic:
TUESDAY 16-5-23		Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: M.Sc-IV sem Topic: Spin Hamiltonian	Class: Topic:
WEDNESDAY 17-5-23		Class: M.P.C-III sem Topic: Problems on UNIT-III	Class: Topic:	Class: Topic:	Class: Topic:	Class: M.Sc-IV sem Topic: Hyperfine structure	Class: M.Sc-IV sem Topic:
THURSDAY 18-5-23		Class: M.P.C-III sem Topic: Problems on UNIT-IV	Class: Topic:	Class: Topic:	Class: Topic:	Class: M.Sc-IV sem Topic: ESR spectra of H atom.	Class: M.Sc-IV sem Topic:
FRIDAY 19-5-23		Class: M.P.C-III sem Topic: Revision	Class: Topic:	Class: Topic:	Class: M.P.C-III sem Topic: Revision	Class: Topic:	Class: M.Sc-IV sem Topic: Chemical Benzene anion
SATURDAY 20-5-23		Class: M.P.C-III sem Topic: Revision	Class: Topic:	Class: Topic:	Class: M.P.C-III sem Topic: Revision	Class: Topic:	Class: M.Sc-IV sem Topic: ESR spectro-metry.

Week work load 12

b) Casual leaves availed 00

H.O.D.

Ac. Co.

Principal

WEEKLY DIARY

MONTH OF: May-23

Timing of the Period

Day and Date

MONDAY

DATE: 22-5-23

Time: 9:50-10:40

Class:
Topic:

Time: 11:30-12:20

Class:
Topic:

Time: 1:10-2:00

Class:
Topic:

Time: 2-2:50

Class:
Topic:

Time: 3-4 pm

Class: M, SC-IV, (M)
Topic: NAR

Time: 4-5

Class:
Topic:

TUESDAY

DATE: 23-5-23

Class:
Topic:Class:
Topic:Class:
Topic:Class: M, SC-IV, (M)
Topic: Quadratic EquationsClass:
Topic:

WEDNESDAY

DATE: 24-5-23

Class: MPEI-SC
Topic: RevisionClass:
Topic:Class:
Topic:Class: M, SC-IV
Topic: Principle of Nuclear Quadrupole ResonanceClass: M, SC-IV
Topic: Half Integral & Integral spins

THURSDAY

DATE: 25-5-23

Class:
Topic:Class:
Topic:Class:
Topic:Class: M, SC-IV
Topic: Half Integral & Integral spinsClass: M, SC-IV
Topic: Half Integral & Integral spins

FRIDAY

DATE: 26-5-23

Class:
Topic:Class:
Topic:Class:
Topic:Class: M, SC-IV
Topic: Half Integral & Integral spinsClass: M, SC-IV
Topic: Half Integral & Integral spins

SATURDAY

DATE: 27-5-23

Class:
Topic:Class:
Topic:Class:
Topic:Class: M, SC-IV
Topic: Half Integral & Integral spinsClass: M, SC-IV
Topic: Half Integral & Integral spins

a) This week work load

05

b) Casual leaves availed

00

H.O.D.

Ac. Co.

Principal

WEEKLY DIARY

Page No. : 100

MONTH OF : May June-23

Timing of the Period Day and Date	Time : 9:50-10:40 AM	Time : 11:30-12:20 PM	Time : 1:10-2:00 PM	Time : 2-2:50 PM	Time : 3-4 PM	Time : 4-5 PM
MONDAY 29-5-23	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : 11-12-13 (1) Topic : chemical & hydrogen bonding.	Class : Topic :
TUESDAY 30-5-23	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : 11-12-13 (1) Topic : NEAR spectro meter Instrumentation.	Class : Topic :
WEDNESDAY 31-5-23	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : 11-12-13 (1) Topic : Recorder & emission
THURSDAY 1-6-23	Class : Topic :	Class : Topic : \rightleftharpoons dl \Rightarrow	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :
FRIDAY 2-6-23	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : 11-12-13 (1) Topic : Titration of chemical stuff.
SATURDAY 3-6-23	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :

This week work load 04

b) Casual leaves availed 01

H.O.D.

Ac. Co.

Principal

MONTH OF : June 23

WEEKLY DIARY

Timing of the Period Day and Date	Time : 3:00 PM - 4:00 PM	Time : 4:00 PM - 5:00 PM	Time :	Time :	Time :	Time :
MONDAY DATE : 5-6-23	Class : M.Sc-IV (M) Topic : Quadrupole Interaction	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :
TUESDAY DATE : 6-6-23	Class : Topic : ← Internal	Class : Topic : → conducted	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :
WEDNESDAY DATE : 7-6-23	Class : Topic : ← Internal	Class : Topic : → conducted	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :
THURSDAY DATE : 8-6-23	Class : Topic :	Class : M.Sc-IV (M) Topic : magnetic hyperfine interaction.	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :
FRIDAY DATE : 9-6-23	Class : Topic :	Class : Topic : ← NO classes	Class : Topic : → NO classes	Class : Topic :	Class : Topic :	Class : Topic :
SATURDAY DATE : 10-6-23	Class : Topic :	Class : Topic : ← NO classes	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :

a) This week work load 02

b) Casual leaves availed 00

H.O.D. Ac. Co.

Principal

MONTH OF: June-23

DAILY DIARY

Sl. No.	Day and Date	Time : 3-4 PM	Time : 4-5 PM	Time :	Time :	Time :	Time :
1	MONDAY 12-6-23	Class: M, SC-IV (m) Topic: Application	Class: SC-IV (m) Topic: Instrument of Mosbauer Spectrometer	Class: SC-IV (m) Topic: Instrument of Mosbauer Spectrometer	Class: SC-IV (m) Topic: Instrument of Mosbauer Spectrometer	Class: SC-IV (m) Topic: Instrument of Mosbauer Spectrometer	Class: SC-IV (m) Topic: Instrument of Mosbauer Spectrometer
2	TUESDAY 13-6-23	Class: M, SC-IV (m) Topic: Application	Class: SC-IV (m) Topic: Instrument of Mosbauer Spectrometer	Class: SC-IV (m) Topic: Instrument of Mosbauer Spectrometer	Class: SC-IV (m) Topic: Instrument of Mosbauer Spectrometer	Class: SC-IV (m) Topic: Instrument of Mosbauer Spectrometer	Class: SC-IV (m) Topic: Instrument of Mosbauer Spectrometer
3	WEDNESDAY 14-6-23	Class: M, SC-IV (m) Topic: Instrument of Mosbauer Spectrometer	Class: SC-IV (m) Topic: Instrument of Mosbauer Spectrometer	Class: SC-IV (m) Topic: Instrument of Mosbauer Spectrometer	Class: SC-IV (m) Topic: Instrument of Mosbauer Spectrometer	Class: SC-IV (m) Topic: Instrument of Mosbauer Spectrometer	Class: SC-IV (m) Topic: Instrument of Mosbauer Spectrometer
4	THURSDAY 15-6-23	Class: M, SC-IV (m) Topic: Instrument of Mosbauer Spectrometer	Class: SC-IV (m) Topic: Instrument of Mosbauer Spectrometer	Class: SC-IV (m) Topic: Instrument of Mosbauer Spectrometer	Class: SC-IV (m) Topic: Instrument of Mosbauer Spectrometer	Class: SC-IV (m) Topic: Instrument of Mosbauer Spectrometer	Class: SC-IV (m) Topic: Instrument of Mosbauer Spectrometer
5	FRIDAY 16-6-23	Class: M, SC-IV (m) Topic: Instrument of Mosbauer Spectrometer	Class: SC-IV (m) Topic: Instrument of Mosbauer Spectrometer	Class: SC-IV (m) Topic: Instrument of Mosbauer Spectrometer	Class: SC-IV (m) Topic: Instrument of Mosbauer Spectrometer	Class: SC-IV (m) Topic: Instrument of Mosbauer Spectrometer	Class: SC-IV (m) Topic: Instrument of Mosbauer Spectrometer
6	SATURDAY 17-6-23	Class: M, SC-IV (m) Topic: Instrument of Mosbauer Spectrometer	Class: SC-IV (m) Topic: Instrument of Mosbauer Spectrometer	Class: SC-IV (m) Topic: Instrument of Mosbauer Spectrometer	Class: SC-IV (m) Topic: Instrument of Mosbauer Spectrometer	Class: SC-IV (m) Topic: Instrument of Mosbauer Spectrometer	Class: SC-IV (m) Topic: Instrument of Mosbauer Spectrometer

work load 04 b) Casual leaves availed 00 H.O.D. Ac. Co. Principal

MONTHLY-WISE PLAN SHEET FOR CURRICULAR PROGRAMMES FOR THE YEAR 2022-2023

August

Actual work load allotted as per the Time-Table	No. of Classes taken	Syllabus covered Month-wise	Steps proposed to be taken or the coverage, if not covered	No. of Casual leaves availed	Signature of the Teacher	Signature of the Head of the Department	Signature of the Principal
2	3	4	5	6	7	8	9
<p>Theory 08 / week</p> <p>Practical 11 x 2 = 8 / week</p> <p>Total 16</p>	<p>Theory 08</p> <p>Practical 9 x 2 = 18</p> <p>Total 26</p>	<p>↑</p> <p>covered</p> <p>↓</p>	<p>↑</p> <p>covered</p> <p>↓</p>	<p>—</p> <p>✓</p>	<p>P.F.</p> <p>Wuf</p>	<p>A. Subashan</p> <p>Vaigund Degree & P.G. College</p> <p>A. Subashan</p> <p>Vaigund Degree & P.G. College</p> <p>Vaigund Degree & P.G. College</p> <p>Kishanpura, Harimathonda</p>	

MONTHLY-WISE PLAN SHEET FOR CURRICULAR PROGRAMMES FOR THE YEAR 2022-2023

September

No. of Teaching Days	Actual work load allotted as per the Time-Table	No. of Classes taken	Syllabus covered Month-wise	Steps proposed to be taken or the coverage, if not covered	No. of Casual leaves availed	Signature of the Teacher	Signature of the Head of the Department	Signature of the Principal
1	2	3	4	5	6	7	8	9
29. 8 weeks	Theory 8 week	Theory 19	↑ covered ↓	↑ covered ↓	02 1-9-22 12-9-22	9/9/22	A. K. Bhatia Principal	
29. 8 weeks	Practical 11 x 2 = 8 week	Practical 13 x 2 = 26						
29. 8 weeks	Total 20 week	Total 43						

MONTHLY-WISE PLAN SHEET FOR CURRICULAR PROGRAMMES FOR THE YEAR 2022 -2023

October

Actual work load allotted as per the Time-Table	No. of Classes taken	Syllabus covered Month-wise	Steps proposed to be taken or the coverage, if not covered	No. of Casual leaves availed	Signature of the Teacher	Signature of the Head of the Department	Signature of the Principal
2	3	4	5	6	7	8	9
<p>Theory 36</p> <p>Practical 11 x 2 = 22</p> <p>Total 58</p>							
<p>Theory 36</p> <p>Practical 11 x 2 = 22</p> <p>Total 58</p>							

MONTHLY-WISE PLAN SHEET FOR CURRICULAR PROGRAMMES FOR THE YEAR 2022-2023




Module

November

No. of Teaching Days	Actual work load allotted as per the Time-Table	No. of Classes taken	Syllabus covered Month-wise	Steps proposed to be taken or the coverage, if not covered	No. of Casual leaves availed	Signature of the Teacher	Signature of the Head of the Department	Signature of the Principal
1	2	3	4	5	6	7	8	9
25	<p>Theory 12 weeks</p> <p>Practical 10 x 2 = 8 weeks</p> <p>Total 20 weeks</p>	<p>Theory 3A</p> <p>Practical 1 x 2 = 14</p> <p>Total 5A</p>	<p>↑ covered ↓</p> <p>↑ covered ↓</p>	<p>↑ covered ↓</p> <p>↑ covered ↓</p>	<p>02</p> <p>2-11-22</p> <p>9-11-22</p>	<p>(Signature)</p>	<p>(Signature)</p>	<p>(Signature)</p>

MONTHLY-WISE PLAN SHEET FOR CURRICULAR PROGRAMMES FOR THE YEAR 2022-2023

December

No. of Teaching Days	Actual work load allotted as per the Time-Table	No. of Classes taken	Syllabus covered Month-wise	Steps proposed to be taken or the coverage, if not covered	No. of Casual leaves availed	Signature of the Teacher	Signature of the Head of the Department	Signature of the Principal
1	2	3	4	5	6	7	8	9
26	Theory 12 weeks Practical 4 x 2 = 8 weeks Total 20 weeks	Theory 33 Practical 33 Total 33	↑ covered ↓	↑ covered ↓	01 21-12-22	Duf. 	 A. B. K. ... Head of Department Chemistry & P.G.	 ... Principal

MONTHLY-WISE PLAN SHEET FOR CURRICULAR PROGRAMMES FOR THE YEAR 2022-2023

January


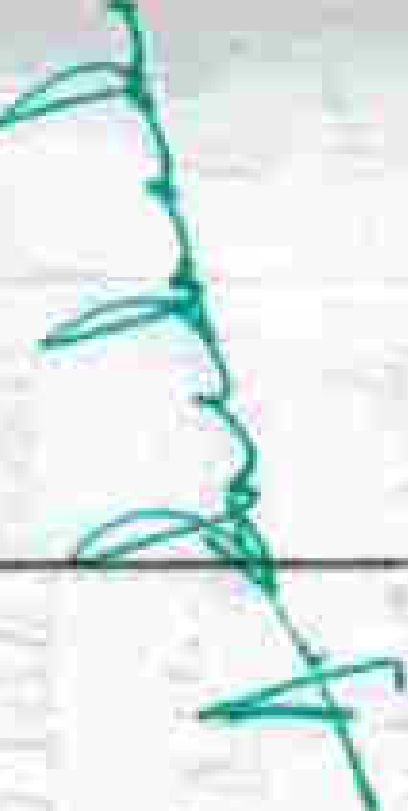
February

No. of Teaching Days	Actual work load allotted as per the Time-Table	No. of Classes taken	Syllabus covered Month-wise	Steps proposed to be taken or the coverage, if not covered	No. of Casual leaves availed	Signature of the Teacher	Signature of the Head of the Department	Signature of the Principal
1	2	3	4	5	6	7	8	9
23	Theory 16 (Week) Practical $1 \times 2 = 8$ (Week) Total 20 (Week)	Theory 13 Practical $10 \times 2 = 20$ Total 33	↑ covered ↓	↑ covered ↓		[Signature] 20/01/23	[Signature] 20/01/23	[Signature]

Actual work load allotted as per the Time-Table	No. of Classes taken	Syllabus covered Month-wise	Steps proposed to be taken or the coverage, if not covered	No. of Casual leaves availed	Signature of the Teacher	Signature of the Head of the Department	Signature of the Principal
2	3	4	5	6	7	8	9
Theory <u>16 (week)</u> Practical <u>4 x 2 = 8 (week)</u> Total <u>20 (week)</u>	Theory <u>60</u> Practical <u>14 x 2 = 28</u> Total <u>88</u>	↑ covered ↓	↑ covered ↓	62	[Signature]	[Signature]	[Signature]

MONTHLY-WISE PLAN SHEET FOR CURRICULAR PROGRAMMES FOR THE YEAR 2022 -2023

April

No. of Teaching Days	Actual work load allotted as per the Time-Table	No. of Classes taken	Syllabus covered Month-wise	Steps proposed to be taken or the coverage, if not covered	No. of Casual leaves availed	Signature of the Teacher	Signature of the Head of the Department	Signature of the Principal
1	2	3	4	5	6	7	8	9
20	Theory 16 week Practical 4x2 = 8 week Total 20 weeks	Theory 52 Practical 15x2=30 Total 82	↑ covered ↓	↑ covered ↓	00			

MONTHLY-WISE PLAN SHEET FOR CURRICULAR PROGRAMMES FOR THE YEAR 2022 -202 3

M

May-

Actual work load allotted as per the Time-Table	No. of Classes taken	Syllabus covered Month-wise	Steps proposed to be taken or the coverage, if not covered	No. of Casual leaves availed	Signature of the Teacher	Signature of the Head of the Department	Signature of the Principal
2	3	4	5	6	7	8	9
Theory 161 weeks	44	↑ covered ↓	↑ covered ↓	102	↓	↓	↓
Practical 111 weeks	44	↑ covered ↓	↑ covered ↓	102	↓	↓	↓
Total 201 weeks	52						



VAAGDEVI DEGREE & P.G. COLLEGE

KISHANPURA, HANAMKONDA - 506 001. T.S.

TEACHING DIARY

Academic Year 2012 - 2013 VG

Name: J. Sandhya Subject: ZOOLOGY

Dept. of: ZOOLOGY College Code No.: 086

J. Sanchya

TIME TABLE

NAME OF THE TEACHER:

SUBJECT: ZOOLOGY

DAY-PERIOD	1st PERIOD (Time 9:00-9:50)	2nd PERIOD (Time 9:50-10:40)	3rd PERIOD (Time 10:40-11:30)	4th PERIOD (Time 11:30-12:20)	5th PERIOD (Time 12:30-3:00)	6th PERIOD (Time)	7th PERIOD (Time)
MONDAY	FS & ND BTB2 + BTM12 BT2C V Sem		FS & ND + BT2C BTB2 + BTM12 - I Sem		(- BTB2 + BTM12) V (Lab)		
TUESDAY	FS & ND BTB2 + BTM12 BT2C V Sem		FS & ND + BTB2 + BTM12 - I Sem		(- BT2C - V) Lab.		
WEDNESDAY		BTB2 + BTM12 BT2C + FS & ND V Sem		FS & ND + BTB2 + BTM12 - I Sem			
THURSDAY		BTB2 + BTM12 BT2C + FS & ND V Sem		FS & ND + BTB2 + BTM12 - I Sem	M12C - III	(- Lab.)	
FRIDAY			FS & ND + BTB2 + BTM12 - I Sem	BTB2 + BTM12 BT2C + FS & ND V Sem			
SATURDAY				BTB2 + BTM12 BT2C + FS & ND ND V Sem			

A. Sanchya
Principal

Vaagdevi Degree & P.G. College
Kishanpura, Hanamkonda

MONTH OF: <u>August</u>						
CLY DIARY	Time	10:40-11:30 AM	11:30-12:20 PM	Time	Time	Time
ing of the Period						
Day and Date						
MONDAY : 22/8/2022	9:00-9:50 AM Class: F&ND YJT Topic: Syllabus dictated	Class: F&ND YJT Topic: Syllabus dictated	Class: F&ND YJT Topic: Syllabus dictated	Class: F&ND YJT Topic: Syllabus dictated	Class: F&ND YJT Topic: Syllabus dictated	Class: F&ND YJT Topic: Syllabus dictated
TUESDAY : 23/8/2022	Class: F&ND YJT Topic: Syllabus dictated	Class: F&ND YJT Topic: Syllabus dictated	Class: F&ND YJT Topic: Syllabus dictated	Class: F&ND YJT Topic: Syllabus dictated	Class: F&ND YJT Topic: Syllabus dictated	Class: F&ND YJT Topic: Syllabus dictated
WEDNESDAY : 24/8/2022	Class: BTBZ + BTBZ Topic: BTM12 + F&ND YJT without chem YJT Cells of Immune system	Class: F&ND YJT Topic: Role of Water Resources (WRM)	Class: MPES (A) & YJT Topic: Role of Water Resources (WRM)	Class: F&ND YJT Topic: Syllabus dictated	Class: F&ND YJT Topic: Syllabus dictated	Class: F&ND YJT Topic: Syllabus dictated
THURSDAY : 25/8/2022	Class: BTBZ + BTBZ Topic: BTM12 + F&ND YJT without chem YJT Cells of Immune system	Class: F&ND YJT Topic: Role of Water Resources (WRM)	Class: MPES (A) & YJT Topic: Role of Water Resources (WRM)	Class: F&ND YJT Topic: Syllabus dictated	Class: F&ND YJT Topic: Syllabus dictated	Class: F&ND YJT Topic: Syllabus dictated
FRIDAY : 26/8/2022	Class: BTBZ + BTBZ Topic: BTM12 + F&ND YJT without chem YJT Cells of Immune system	Class: F&ND YJT Topic: Role of Water Resources (WRM)	Class: MPES (A) & YJT Topic: Role of Water Resources (WRM)	Class: F&ND YJT Topic: Syllabus dictated	Class: F&ND YJT Topic: Syllabus dictated	Class: F&ND YJT Topic: Syllabus dictated
SATURDAY : 27/8/2022	Class: BTBZ + BTBZ Topic: BTM12 + F&ND YJT without chem YJT Cells of Immune system	Class: F&ND YJT Topic: Role of Water Resources (WRM)	Class: MPES (A) & YJT Topic: Role of Water Resources (WRM)	Class: F&ND YJT Topic: Syllabus dictated	Class: F&ND YJT Topic: Syllabus dictated	Class: F&ND YJT Topic: Syllabus dictated

his week work load

06

b) Casual leaves availed

1CL

H.O.D.

Ac. Co.

Principal
Vandevi Dargah & P. O.
Kishanpura, Hanamkond

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52

26/81

1997

11/2/2022

10/20

10/6/19

Wolfgang Iser

WEEKLY DIARY		MONTH OF: September									
Day of the Period Day and Date		Time	9:00-9:50 AM	Time	9:50-10:40 AM	Time	1:30-2:00 PM	Time	Class: Topic:	Time	Class: Topic:
MONDAY 6/9/2022		Class: Topic:		Class: Topic: ← Celebrated Teachers day →		Class: Topic:		Class: Topic:		Class: Topic:	
TUESDAY 7/9/2022		Class: BTZC+BTM12 Topic: BTBZ+FS&ND +M12C Types of Immunity		Class: BZC(6)+M12C Topic: +BZC(6)+M12C Types of Immunity		Class: BTZC+BP Topic: RD Identification of blood groups		Class: Topic:		Class: Topic:	
WEDNESDAY 8/9/2022		Class: BTBZ+BTM12 Topic: BTZC+FS&ND +M12C Humoral Immunity		Class: FS&ND Topic: WITH & without Chemistry Rain water harvesting (WRM) → water Resource management		Class: Topic:		Class: Topic:		Class: Topic:	
THURSDAY 9/9/2022		Class: BTBZ+BTM12 Topic: BTZC+FS&ND +M12C Humoral Immunity		Class: FS&ND Topic: WITH & without Water Conservation		Class: BZC(6)+ Topic: PZC+M12C Types of Immunity		Class: Topic: ← 1/2 day C.L. →		Class: Topic:	
FRIDAY 10/9/2022		Class: BTBZ+BTM12 Topic: BTZC+FS&ND Humoral Immunity		Class: Topic: Humoral Immunity		Class: Topic: ← (Nimayana) →		Class: Topic:		Class: Topic:	
SATURDAY 11/9/2022		Class: BTBZ+BTM12 Topic: BTZC+FS&ND Types of Immunity		Class: Topic:		Class: Topic:		Class: Topic:		Class: Topic:	

18 week work load

10

b) Casual leaves availed

1/2 day

H.O.D.

Ac. Co.

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MONTH OF : September

WEEKLY DIARY						
Timing of the Period	Time	Time	Time	Time	Time	Time
Day and Date	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:
MONDAY DATE: <u>12/9/2022</u>	Class: BTB2+BTM12 Topic: +BTZC+FS2ND M12C-V YJ Cell mediated Immunity	Class: BZC(B)+BZC Topic: Y J Humoral Immunity	Time 11:30 - 3:00 PM Class: BTB2+BTM12 Topic: +FS2ND J Lymphoid organ (P)	Time 10:40 - 11:30 AM Class: BZC(B)+BZC Topic: Y J	Time 9:50 - 11:30 AM Class: BTB2+BTM12 Topic: +BTZC+FS2ND M12C-V YJ Cell mediated Immunity	Time 9:50 - 11:30 AM Class: BTB2+BTM12 Topic: +BTZC+FS2ND M12C-V YJ Cell mediated Immunity
TUESDAY DATE: <u>13/9/2022</u>	Class: BTB2+BTM12 Topic: +BTZC+FS2ND M12C-V YJ Cell mediated Immunity	Class: FS2ND YJ Topic: Blood Groups	Class: BTZC-V YJ Topic: Blood Groups	Class: FS2ND YJ Topic: Blood Groups	Class: FS2ND YJ Topic: Blood Groups	Class: FS2ND YJ Topic: Blood Groups
WEDNESDAY DATE: <u>14/9/2022</u>	Class: BTB2+BTM12 Topic: +BTZC+FS2ND M12C-V YJ MHC Types	Class: FS2ND YJ Topic: Natural Resources (WRM)	Class: FS2ND YJ Topic: Role of MHC in Transplantation	Class: FS2ND YJ Topic: Natural Resources (WRM)	Class: FS2ND YJ Topic: Natural Resources (WRM)	Class: FS2ND YJ Topic: Natural Resources (WRM)
THURSDAY DATE: <u>15/9/2022</u>	Class: BTB2+BTM12 Topic: +BTZC+FS2ND M12C-V YJ MHC Types & Role of MHC in	Class: FS2ND YJ Topic: Rain Water harvesting (WRM)	Class: FS2ND YJ Topic: Role of MHC in Transplantation	Class: FS2ND YJ Topic: Rain Water harvesting (WRM)	Class: FS2ND YJ Topic: Rain Water harvesting (WRM)	Class: FS2ND YJ Topic: Rain Water harvesting (WRM)
FRIDAY DATE: <u>16/9/2022</u>	Class: +Transplantation Topic: MHC	Class: 1 day Topic: C.L	Class: 1 day Topic: C.L	Class: 1 day Topic: C.L	Class: 1 day Topic: C.L	Class: 1 day Topic: C.L
SATURDAY DATE: <u>17/9/2022</u>	Class: NAAC WORK	Class: NO class work	Class: NO class work	Class: NO class work	Class: NO class work	Class: NO class work

DIARY

MONTH OF : September

of the Period y and Date	Time	Time	Time	Time	Time	Time
ONDAY 11/9/2022	9:00-9:50 AM Class: BTB2+BTM12 Topic: BTZC+M12C +FS&NDVJY cytosolic pathway MHC cytosolic pathway	9:50-10:40 AM Class: BZC(B)+ Topic: BZCS+M12C JY cytosolic pathway	10:40-11:30 AM Class: BTB2+ Topic: BTZC+BTM12 +FS&NDVJY Structure of heart	Time	Time	Time
TUESDAY 12/9/2022	Class: BTB2+BTM12 Topic: BTZC+M12C +FS&NDVJY Scope & Importance of biotechnology	Class: BZC(A) Topic: +FS&NDVJY R-DNA Technology	Class: BZC(A)+ Topic: FZC+NZC JY Recombinant DNA Technology	Class: BZC(A)+ Topic: FZC+NZC JY Recombinant DNA Technology	Class: BZC(A)+ Topic: FZC+NZC JY Recombinant DNA Technology	Class: BZC(A)+ Topic: FZC+NZC JY Recombinant DNA Technology
WEDNESDAY 13/9/2022	Class: BTB2+BTM12 Topic: BTZC+M12C +FS&NDVJY Scope & Importance of biotechnology	Class: FS&ND Topic: with/without overusage of Ground water (WRM) WRM	Class: FS&ND Topic: with/without overusage of Ground water (WRM) WRM	Class: FS&ND Topic: with/without overusage of Ground water (WRM) WRM	Class: FS&ND Topic: with/without overusage of Ground water (WRM) WRM	Class: FS&ND Topic: with/without overusage of Ground water (WRM) WRM
THURSDAY 14/9/2022	Class: BTB2+BTM12 Topic: BTZC+M12C +FS&NDVJY Recombinant DNA technology	Class: FS&ND Topic: with/without overusage of Ground water (WRM) WRM	Class: FS&ND Topic: with/without overusage of Ground water (WRM) WRM	Class: FS&ND Topic: with/without overusage of Ground water (WRM) WRM	Class: FS&ND Topic: with/without overusage of Ground water (WRM) WRM	Class: FS&ND Topic: with/without overusage of Ground water (WRM) WRM
FRIDAY 15/9/2022	Class: BTB2+BTM12 Topic: BTZC+M12C +FS&NDVJY Recombinant DNA technology	Class: FS&ND Topic: with/without overusage of Ground water (WRM) WRM	Class: FS&ND Topic: with/without overusage of Ground water (WRM) WRM	Class: FS&ND Topic: with/without overusage of Ground water (WRM) WRM	Class: FS&ND Topic: with/without overusage of Ground water (WRM) WRM	Class: FS&ND Topic: with/without overusage of Ground water (WRM) WRM
SATURDAY 16/9/2022	Class: BTB2+BTM12 Topic: BTZC+M12C +FS&NDVJY R-DNA Technology	Class: FS&ND Topic: with/without overusage of Ground water (WRM) WRM	Class: FS&ND Topic: with/without overusage of Ground water (WRM) WRM	Class: FS&ND Topic: with/without overusage of Ground water (WRM) WRM	Class: FS&ND Topic: with/without overusage of Ground water (WRM) WRM	Class: FS&ND Topic: with/without overusage of Ground water (WRM) WRM

ek work load

12

b) Casual leaves available

1 day

H.O.D.

Ac. Co.

Principal

WEEKLY DIARY		MONTH OF: <u>September</u>					
Timing of the Period	Time	Time	Time	Time	Time	Time	Time
Day and Date							
MONDAY DATE: <u>26/9/2022</u>	Time: <u>9:00 - 9:50 AM</u> Class: <u>BZC(A) +</u> Topic: <u>FZC + NZC</u> <u>Revision</u>	Time: <u>10:40 - 11:30 AM</u> Class: <u>BTBZ +</u> Topic: <u>BTM12 + YLT</u> <u>BTZC</u> <u>FS END + MIZE</u> <u>REVISION</u>	Time: <u>Class:</u> Topic: <u>Internal Exam</u> <u>Invigilation duty</u> →	Time: <u>Class:</u> Topic: <u>→</u>	Time: <u>Class:</u> Topic: <u>→</u>	Time: <u>Class:</u> Topic: <u>→</u>	Time: <u>Class:</u> Topic: <u>→</u>
TUESDAY DATE: <u>27/9/2022</u>	Time: <u>9:00 - 9:50 AM</u> Class: <u>BZC(A) +</u> Topic: <u>FZC + NZC</u> <u>Revision</u>	Time: <u>10:40 - 11:30 AM</u> Class: <u>BTBZ +</u> Topic: <u>BTM12 + YLT</u> <u>BTZC</u> <u>FS END + MIZE</u> <u>REVISION</u>	Time: <u>Class:</u> Topic: <u>→</u>	Time: <u>Class:</u> Topic: <u>→</u>	Time: <u>Class:</u> Topic: <u>→</u>	Time: <u>Class:</u> Topic: <u>→</u>	Time: <u>Class:</u> Topic: <u>→</u>
WEDNESDAY DATE: <u>28/9/2022</u>	Time: <u>9:00 - 9:50 AM</u> Class: <u>BZC(A) +</u> Topic: <u>FZC + NZC</u> <u>Revision</u>	Time: <u>10:40 - 11:30 AM</u> Class: <u>BTBZ +</u> Topic: <u>BTM12 + YLT</u> <u>BTZC</u> <u>FS END + MIZE</u> <u>REVISION</u>	Time: <u>Class:</u> Topic: <u>→</u>	Time: <u>Class:</u> Topic: <u>→</u>	Time: <u>Class:</u> Topic: <u>→</u>	Time: <u>Class:</u> Topic: <u>→</u>	Time: <u>Class:</u> Topic: <u>→</u>
THURSDAY DATE: <u>29/9/2022</u>	Time: <u>9:00 - 9:50 AM</u> Class: <u>BZC(A) +</u> Topic: <u>FZC + NZC</u> <u>Revision</u>	Time: <u>10:40 - 11:30 AM</u> Class: <u>BTBZ +</u> Topic: <u>BTM12 + YLT</u> <u>BTZC</u> <u>FS END + MIZE</u> <u>REVISION</u>	Time: <u>Class:</u> Topic: <u>→</u>	Time: <u>Class:</u> Topic: <u>→</u>	Time: <u>Class:</u> Topic: <u>→</u>	Time: <u>Class:</u> Topic: <u>→</u>	Time: <u>Class:</u> Topic: <u>→</u>
FRIDAY DATE: <u>30/9/2022</u>	Time: <u>9:00 - 9:50 AM</u> Class: <u>BZC(A) +</u> Topic: <u>FZC + NZC</u> <u>Revision</u>	Time: <u>10:40 - 11:30 AM</u> Class: <u>BTBZ +</u> Topic: <u>BTM12 + YLT</u> <u>BTZC</u> <u>FS END + MIZE</u> <u>REVISION</u>	Time: <u>Class:</u> Topic: <u>→</u>	Time: <u>Class:</u> Topic: <u>→</u>	Time: <u>Class:</u> Topic: <u>→</u>	Time: <u>Class:</u> Topic: <u>→</u>	Time: <u>Class:</u> Topic: <u>→</u>
SATURDAY DATE: <u>1/10/2022</u>	Time: <u>9:00 - 9:50 AM</u> Class: <u>BZC(A) +</u> Topic: <u>FZC + NZC</u> <u>Revision</u>	Time: <u>10:40 - 11:30 AM</u> Class: <u>BTBZ +</u> Topic: <u>BTM12 + YLT</u> <u>BTZC</u> <u>FS END + MIZE</u> <u>REVISION</u>	Time: <u>Class:</u> Topic: <u>→</u>	Time: <u>Class:</u> Topic: <u>→</u>	Time: <u>Class:</u> Topic: <u>→</u>	Time: <u>Class:</u> Topic: <u>→</u>	Time: <u>Class:</u> Topic: <u>→</u>

MONTH OF: <u>October</u>									
ing of the Period	Time	Time	Time	Time	Time	Time	Time	Time	Time
Day and Date	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:
MONDAY 10/10/2022	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:
TUESDAY 11/10/2022	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:
WEDNESDAY 12/10/2022	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:
THURSDAY 13/10/2022	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:
FRIDAY 14/10/2022	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:
SATURDAY 15/10/2022	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:

MONTH OF: OCTOBER

WEEKLY DIARY	Timing of the Period	Time	Time	Time	Time	Time
Day and Date		9:00 - 9:50 AM	10:40 - 11:30 AM	1:30 - 3:00 PM		
MONDAY DATE: 10/10/2022	Class: BTBZ + BTM12 + BTZC + FS2ND + cosmids Topic: FS2ND + BTZC + cosmids	Class: FS2ND + BTBZ + BTM12 + BTZC + FS2ND + BTZC Topic: FS2ND + BTZC + cosmids	Class: FS2ND + BTBZ + BTM12 + BTZC + FS2ND + BTZC Topic: FS2ND + BTZC + cosmids	Class: FS2ND + BTBZ + BTM12 + BTZC + FS2ND + BTZC Topic: FS2ND + BTZC + cosmids	Class: FS2ND + BTBZ + BTM12 + BTZC + FS2ND + BTZC Topic: FS2ND + BTZC + cosmids	Class: FS2ND + BTBZ + BTM12 + BTZC + FS2ND + BTZC Topic: FS2ND + BTZC + cosmids
TUESDAY DATE: 11/10/2022	Class: FS2ND + BTBZ + BTM12 + BTZC + FS2ND + BTZC Topic: FS2ND + BTZC + cosmids	Class: FS2ND + BTBZ + BTM12 + BTZC + FS2ND + BTZC Topic: FS2ND + BTZC + cosmids	Class: FS2ND + BTBZ + BTM12 + BTZC + FS2ND + BTZC Topic: FS2ND + BTZC + cosmids	Class: FS2ND + BTBZ + BTM12 + BTZC + FS2ND + BTZC Topic: FS2ND + BTZC + cosmids	Class: FS2ND + BTBZ + BTM12 + BTZC + FS2ND + BTZC Topic: FS2ND + BTZC + cosmids	Class: FS2ND + BTBZ + BTM12 + BTZC + FS2ND + BTZC Topic: FS2ND + BTZC + cosmids
WEDNESDAY DATE: 12/10/2022	Class: FS2ND + BTBZ + BTM12 + BTZC + FS2ND + BTZC Topic: FS2ND + BTZC + cosmids	Class: FS2ND + BTBZ + BTM12 + BTZC + FS2ND + BTZC Topic: FS2ND + BTZC + cosmids	Class: FS2ND + BTBZ + BTM12 + BTZC + FS2ND + BTZC Topic: FS2ND + BTZC + cosmids	Class: FS2ND + BTBZ + BTM12 + BTZC + FS2ND + BTZC Topic: FS2ND + BTZC + cosmids	Class: FS2ND + BTBZ + BTM12 + BTZC + FS2ND + BTZC Topic: FS2ND + BTZC + cosmids	Class: FS2ND + BTBZ + BTM12 + BTZC + FS2ND + BTZC Topic: FS2ND + BTZC + cosmids
THURSDAY DATE: 13/10/2022	Class: FS2ND + BTBZ + BTM12 + BTZC + FS2ND + BTZC Topic: FS2ND + BTZC + cosmids	Class: FS2ND + BTBZ + BTM12 + BTZC + FS2ND + BTZC Topic: FS2ND + BTZC + cosmids	Class: FS2ND + BTBZ + BTM12 + BTZC + FS2ND + BTZC Topic: FS2ND + BTZC + cosmids	Class: FS2ND + BTBZ + BTM12 + BTZC + FS2ND + BTZC Topic: FS2ND + BTZC + cosmids	Class: FS2ND + BTBZ + BTM12 + BTZC + FS2ND + BTZC Topic: FS2ND + BTZC + cosmids	Class: FS2ND + BTBZ + BTM12 + BTZC + FS2ND + BTZC Topic: FS2ND + BTZC + cosmids
FRIDAY DATE: 14/10/2022	Class: FS2ND + BTBZ + BTM12 + BTZC + FS2ND + BTZC Topic: FS2ND + BTZC + cosmids	Class: FS2ND + BTBZ + BTM12 + BTZC + FS2ND + BTZC Topic: FS2ND + BTZC + cosmids	Class: FS2ND + BTBZ + BTM12 + BTZC + FS2ND + BTZC Topic: FS2ND + BTZC + cosmids	Class: FS2ND + BTBZ + BTM12 + BTZC + FS2ND + BTZC Topic: FS2ND + BTZC + cosmids	Class: FS2ND + BTBZ + BTM12 + BTZC + FS2ND + BTZC Topic: FS2ND + BTZC + cosmids	Class: FS2ND + BTBZ + BTM12 + BTZC + FS2ND + BTZC Topic: FS2ND + BTZC + cosmids
SATURDAY DATE: 15/10/2022	Class: FS2ND + BTBZ + BTM12 + BTZC + FS2ND + BTZC Topic: FS2ND + BTZC + cosmids	Class: FS2ND + BTBZ + BTM12 + BTZC + FS2ND + BTZC Topic: FS2ND + BTZC + cosmids	Class: FS2ND + BTBZ + BTM12 + BTZC + FS2ND + BTZC Topic: FS2ND + BTZC + cosmids	Class: FS2ND + BTBZ + BTM12 + BTZC + FS2ND + BTZC Topic: FS2ND + BTZC + cosmids	Class: FS2ND + BTBZ + BTM12 + BTZC + FS2ND + BTZC Topic: FS2ND + BTZC + cosmids	Class: FS2ND + BTBZ + BTM12 + BTZC + FS2ND + BTZC Topic: FS2ND + BTZC + cosmids

a) This week work load

14

b) Casual leaves availed

NIL

H.O.D.

Ac. Co.

Principal

KLY DIARY		MONTH OF: OCTOBER.					
ing of the Period	Time	Time	Time	Time	Time	Time	Time
Day and Date	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:
MONDAY 11/10/2022	Class: FS & ND Topic: BTB2 + BTM12 + BTZC-IT YT Gene Cloning	Class: FS & ND Topic: BTB2 + BTM12 IYR YT Elphidium Life cycle	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:
TUESDAY 12/10/2022	Class: FS & ND Topic: BTB2 + BTM12 + BTZC-IT YT Transgenesis	Class: FS & ND Topic: BTB2 + BTM12 - IYR YT Elphidium Life cycle	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:
WEDNESDAY 13/10/2022	Class: BZC(B) + YT Topic: BZC + TM12 YT In vitro process Transgenesis	Class: BTB2 + BTM12 Topic: BTB2 + FS & ND + TM12 YT In vitro process	Class: BTB2 + BTM12 Topic: + FS & ND YT Reproduction in Protozoa.	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:
THURSDAY 14/10/2022	Class: BZC(B) YT Topic: Conducted slip test on R-DNA technology 10:40-11:30	Class: BTZC BTB2 Topic: BTM12 YT In vitro process	Class: FS & ND + Topic: BTB2 + BTM12 IYR YT Protozoan Parasites	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:
FRIDAY 15/10/2022	Class: BTB2 + BTM12 Topic: + FS & ND-IT YT Porifera General characters 10:40 to 11:30	Class: FS & ND + Topic: BTZC BTM12 BTB2 + TM12 YT In vitro fertilization	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:
SATURDAY 16/10/2022	Class: FS & ND + YT Topic: BTB2 + BTM12 Canal system in sponges	Class: FS & ND Topic: BTB2 + BTM12 BTB2 + TM12 YT Hybridoma technology	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:

Principal

Ac. Co.

H.O.D.

NLL

b) Casual leaves availed

14

week work load

MONTH OF: October

WEEKLY DIARY			MONTH OF: OCTOBER				
Timing of the Period		Time	Time	Time	Time	Time	
Day and Date		9:00 - 9:50 AM	10:00 - 10:40 AM	11:30 - 12:30 PM	1:30 - 2:30 PM		
MONDAY DATE: 29/10/2022		Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	
TUESDAY DATE: 30/10/2022		Class: BTB2 BTc Topic: BTM12-ITP Purifera specimens	Class: FS 2ND Topic: BTB2 BTM12 Bioreactors Bioresponder	Class: FS 2ND Topic: BTB2 BTM12 Syrinx; cells of sycon	Class: Topic:	Class: Topic:	
WEDNESDAY DATE: 31/10/2022		Class: BTB2+BTM12 Topic: BTB2+FS 2ND M12C-V Yt Bioreactors	Class: Topic: ← 1/2 day C.L. →	Class: Topic:	Class: Topic:	Class: Topic:	
THURSDAY DATE: 01/11/2022		Class: BTB2+BTM12 Topic: BTB2+FS 2ND M12C-V Yt Bioreactors & PCR	Class: FS 2ND + Topic: BTB2+BTM12 -I Yt cells & spicules of sycon	Class: Topic:	Class: Topic:	Class: Topic:	
FRIDAY DATE: 02/11/2022		Class: BTB2+BTM12 Topic: BTB2+FS 2ND M12C-V Yt PCR	Class: FS 2ND + Topic: BTB2+BTM12 -I Yt coelenterata General characters	Class: Topic: Uptake level	Class: Topic:	Class: Topic:	
SATURDAY DATE: 03/11/2022		Class: BTB2+BTM12 Topic: BTB2+FS 2ND M12C-V Yt Antibody structure	Class: FS 2ND + Topic: BTB2+BTM12 -I Yt Obelia Type study	Class: BTB2+BTM12 Topic: Scope & importance of Environmental studies (EST)	Class: BTB2+BTM12 Topic: Endocrine glands	Class: Topic:	

MONTH OF: October / November						
Y DIARY	of the Period / and Date	Time	Time	Time	Time	Time
ONDAY 3/11/2022	Class: BTZC + FS2ND Topic: BTZC + MIZC Antibody structure	Time 9:50 - 10:40 AM Class: BTZC + BTZC Topic: BTZC + MIZC FS2ND YJ	Class: BTZC + BTZC Topic: BTZC + MIZC FS2ND YJ	Class: BTZC + BTZC Topic: BTZC + MIZC FS2ND YJ	Class: BTZC + BTZC Topic: BTZC + MIZC FS2ND YJ	Class: BTZC + BTZC Topic: BTZC + MIZC FS2ND YJ
JESDAY 4/11/2022	Class: BTZC + FS2ND Topic: BTZC + MIZC Antibodies structure	Class: BTZC + BTZC Topic: BTZC + MIZC FS2ND YJ	Class: BTZC + BTZC Topic: BTZC + MIZC FS2ND YJ	Class: BTZC + BTZC Topic: BTZC + MIZC FS2ND YJ	Class: BTZC + BTZC Topic: BTZC + MIZC FS2ND YJ	Class: BTZC + BTZC Topic: BTZC + MIZC FS2ND YJ
DNESDAY 5/11/2022	Class: BTZC + FS2ND Topic: BTZC + MIZC Antibodies structure	Class: BTZC + BTZC Topic: BTZC + MIZC FS2ND YJ	Class: BTZC + BTZC Topic: BTZC + MIZC FS2ND YJ	Class: BTZC + BTZC Topic: BTZC + MIZC FS2ND YJ	Class: BTZC + BTZC Topic: BTZC + MIZC FS2ND YJ	Class: BTZC + BTZC Topic: BTZC + MIZC FS2ND YJ
IURSDAY 6/11/2022	Class: BTZC + FS2ND Topic: BTZC + MIZC Antibodies structure	Class: BTZC + BTZC Topic: BTZC + MIZC FS2ND YJ	Class: BTZC + BTZC Topic: BTZC + MIZC FS2ND YJ	Class: BTZC + BTZC Topic: BTZC + MIZC FS2ND YJ	Class: BTZC + BTZC Topic: BTZC + MIZC FS2ND YJ	Class: BTZC + BTZC Topic: BTZC + MIZC FS2ND YJ
FRIDAY 7/11/2022	Class: BTZC + FS2ND Topic: BTZC + MIZC Antibodies structure	Class: BTZC + BTZC Topic: BTZC + MIZC FS2ND YJ	Class: BTZC + BTZC Topic: BTZC + MIZC FS2ND YJ	Class: BTZC + BTZC Topic: BTZC + MIZC FS2ND YJ	Class: BTZC + BTZC Topic: BTZC + MIZC FS2ND YJ	Class: BTZC + BTZC Topic: BTZC + MIZC FS2ND YJ
TURDAY 8/11/2022	Class: BTZC + FS2ND Topic: BTZC + MIZC Antibodies structure	Class: BTZC + BTZC Topic: BTZC + MIZC FS2ND YJ	Class: BTZC + BTZC Topic: BTZC + MIZC FS2ND YJ	Class: BTZC + BTZC Topic: BTZC + MIZC FS2ND YJ	Class: BTZC + BTZC Topic: BTZC + MIZC FS2ND YJ	Class: BTZC + BTZC Topic: BTZC + MIZC FS2ND YJ

Principal

Ac. Co.

H.O.D.

b) Casual leaves availed

9

week work load

WEEKLY DIARY		MONTH OF: November					
Timing of the Period	Time	Time	Time	Time	Time	Time	Time
Day and Date	9:00 - 9:50 AM	9:50 - 10:40 AM	11:30 - 12:20 PM	1:30 - 2:20 PM			
MONDAY DATE: 7/11/2022	Class: FSLND+BTBZ Topic: BTM12-BTZC+M1ZC-I YJT Auto immune diseases	Class: FS with/without chemistry Topic: Diseases related to heart	Class: BTZC+BTZC-I YJT Obelia colony Life history	Class: BTBZ+BTZC-I YJT Obelia Life history			Class: Topic:
TUESDAY DATE: 8/11/2022	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:			Class: Topic:
WEDNESDAY DATE: 9/11/2022	Class: FS+BTBZ Topic: M1ZC YJT Auto immune diseases	Holiday	Class: Topic:	Class: Topic:			Class: Topic:
THURSDAY DATE: 10/11/2022	Class: FS+BTBZ Topic: M1ZC YJT Auto immune diseases	Class: BTZC+BTZC-I YJT Polymerphism	Class: Topic:	Class: Topic:			Class: Topic:
FRIDAY DATE: 11/11/2022	Class: FS+BTBZ Topic: M1ZC YJT Auto immune diseases	Class: BTZC+BTZC-I YJT Polymerphism	Class: M1ZC YJT Topic: Plasmid vectors	Class: Topic:			Class: Topic:
SATURDAY DATE: 12/11/2022	Class: FS+BTBZ Topic: M1ZC YJT Auto immune diseases	Class: BTZC+BTZC-I YJT Coral formation	Class: Topic:	Class: Topic:			Class: Topic:

MONTH OF: November												
Day of the Period	Time	9:50 - 10:40 AM	10:40 - 11:30 AM	Time	11:30 - 3:00 PM	Time	Class	Topic	Time	Class	Topic	Time
MONDAY	10/11/2022	Class: FS & ND + BTZC Topic: BTB2-BTM2 + BTZC YJ Monoclonal antibodies	Class: FS & ND + BTZC Topic: BTB2 + IJYJ polymorphism in siphonophora	Class: BZC + BTZC Topic: -I JYJ Coral reefs	Class: BZC + BTZC Topic: -I JYJ General characters of platyhelminthes	Class: BZC + BTZC Topic: -I JYJ polymorphism in siphonophora	Class: FS & ND + BTZC Topic: BTB2 + BTM2 + BTZC YJ Monoclonal antibodies	Class: FS & ND + BTZC Topic: BTB2 + BTM2 + BTZC YJ Monoclonal antibodies	Class: FS & ND + BTZC Topic: BTB2 + BTM2 + BTZC YJ Monoclonal antibodies	Class: FS & ND + BTZC Topic: BTB2 + BTM2 + BTZC YJ Monoclonal antibodies	Class: FS & ND + BTZC Topic: BTB2 + BTM2 + BTZC YJ Monoclonal antibodies	Class: FS & ND + BTZC Topic: BTB2 + BTM2 + BTZC YJ Monoclonal antibodies
TUESDAY	10/12/2022	Class: FS & ND + BTZC Topic: BTB2 + BTM2 + BTZC YJ Monoclonal antibodies	Class: FS & ND + BTZC Topic: BTB2 + BTM2 + BTZC YJ Monoclonal antibodies	Class: BZC + BTZC Topic: -I JYJ General characters of platyhelminthes	Class: BZC + BTZC Topic: -I JYJ General characters of platyhelminthes	Class: BZC + BTZC Topic: -I JYJ General characters of platyhelminthes	Class: FS & ND + BTZC Topic: BTB2 + BTM2 + BTZC YJ Monoclonal antibodies	Class: FS & ND + BTZC Topic: BTB2 + BTM2 + BTZC YJ Monoclonal antibodies	Class: FS & ND + BTZC Topic: BTB2 + BTM2 + BTZC YJ Monoclonal antibodies	Class: FS & ND + BTZC Topic: BTB2 + BTM2 + BTZC YJ Monoclonal antibodies	Class: FS & ND + BTZC Topic: BTB2 + BTM2 + BTZC YJ Monoclonal antibodies	Class: FS & ND + BTZC Topic: BTB2 + BTM2 + BTZC YJ Monoclonal antibodies
WEDNESDAY	10/13/2022	Class: FS & ND + BTZC Topic: BTB2 + BTM2 + BTZC YJ Monoclonal antibodies	Class: FS & ND + BTZC Topic: BTB2 + BTM2 + BTZC YJ Monoclonal antibodies	Class: BZC + BTZC Topic: -I JYJ General characters of platyhelminthes	Class: BZC + BTZC Topic: -I JYJ General characters of platyhelminthes	Class: BZC + BTZC Topic: -I JYJ General characters of platyhelminthes	Class: FS & ND + BTZC Topic: BTB2 + BTM2 + BTZC YJ Monoclonal antibodies	Class: FS & ND + BTZC Topic: BTB2 + BTM2 + BTZC YJ Monoclonal antibodies	Class: FS & ND + BTZC Topic: BTB2 + BTM2 + BTZC YJ Monoclonal antibodies	Class: FS & ND + BTZC Topic: BTB2 + BTM2 + BTZC YJ Monoclonal antibodies	Class: FS & ND + BTZC Topic: BTB2 + BTM2 + BTZC YJ Monoclonal antibodies	Class: FS & ND + BTZC Topic: BTB2 + BTM2 + BTZC YJ Monoclonal antibodies
THURSDAY	10/14/2022	Class: FS & ND + BTZC Topic: BTB2 + BTM2 + BTZC YJ Monoclonal antibodies	Class: FS & ND + BTZC Topic: BTB2 + BTM2 + BTZC YJ Monoclonal antibodies	Class: BZC + BTZC Topic: -I JYJ General characters of platyhelminthes	Class: BZC + BTZC Topic: -I JYJ General characters of platyhelminthes	Class: BZC + BTZC Topic: -I JYJ General characters of platyhelminthes	Class: FS & ND + BTZC Topic: BTB2 + BTM2 + BTZC YJ Monoclonal antibodies	Class: FS & ND + BTZC Topic: BTB2 + BTM2 + BTZC YJ Monoclonal antibodies	Class: FS & ND + BTZC Topic: BTB2 + BTM2 + BTZC YJ Monoclonal antibodies	Class: FS & ND + BTZC Topic: BTB2 + BTM2 + BTZC YJ Monoclonal antibodies	Class: FS & ND + BTZC Topic: BTB2 + BTM2 + BTZC YJ Monoclonal antibodies	Class: FS & ND + BTZC Topic: BTB2 + BTM2 + BTZC YJ Monoclonal antibodies
FRIDAY	10/15/2022	Class: FS & ND + BTZC Topic: BTB2 + BTM2 + BTZC YJ Monoclonal antibodies	Class: FS & ND + BTZC Topic: BTB2 + BTM2 + BTZC YJ Monoclonal antibodies	Class: BZC + BTZC Topic: -I JYJ General characters of platyhelminthes	Class: BZC + BTZC Topic: -I JYJ General characters of platyhelminthes	Class: BZC + BTZC Topic: -I JYJ General characters of platyhelminthes	Class: FS & ND + BTZC Topic: BTB2 + BTM2 + BTZC YJ Monoclonal antibodies	Class: FS & ND + BTZC Topic: BTB2 + BTM2 + BTZC YJ Monoclonal antibodies	Class: FS & ND + BTZC Topic: BTB2 + BTM2 + BTZC YJ Monoclonal antibodies	Class: FS & ND + BTZC Topic: BTB2 + BTM2 + BTZC YJ Monoclonal antibodies	Class: FS & ND + BTZC Topic: BTB2 + BTM2 + BTZC YJ Monoclonal antibodies	Class: FS & ND + BTZC Topic: BTB2 + BTM2 + BTZC YJ Monoclonal antibodies
SATURDAY	10/16/2022	Class: FS & ND + BTZC Topic: BTB2 + BTM2 + BTZC YJ Monoclonal antibodies	Class: FS & ND + BTZC Topic: BTB2 + BTM2 + BTZC YJ Monoclonal antibodies	Class: BZC + BTZC Topic: -I JYJ General characters of platyhelminthes	Class: BZC + BTZC Topic: -I JYJ General characters of platyhelminthes	Class: BZC + BTZC Topic: -I JYJ General characters of platyhelminthes	Class: FS & ND + BTZC Topic: BTB2 + BTM2 + BTZC YJ Monoclonal antibodies	Class: FS & ND + BTZC Topic: BTB2 + BTM2 + BTZC YJ Monoclonal antibodies	Class: FS & ND + BTZC Topic: BTB2 + BTM2 + BTZC YJ Monoclonal antibodies	Class: FS & ND + BTZC Topic: BTB2 + BTM2 + BTZC YJ Monoclonal antibodies	Class: FS & ND + BTZC Topic: BTB2 + BTM2 + BTZC YJ Monoclonal antibodies	Class: FS & ND + BTZC Topic: BTB2 + BTM2 + BTZC YJ Monoclonal antibodies

Principal

Ac. Co.

H.O.D.

b) Casual leaves availed

14

Total work load

WEEKLY DIARY

MONTH OF : NOVEMBER

Timing of the Period Day and Date	Time	Time	Time	Time	Time	Time
MONDAY DATE: 21/11/2022	9:00-9:50 Class: FS&ND+ Topic: BT's + mize + Hypersensitivity reaction	9:50-10:40 Class: BTZC+ Topic: BZC-IJT Schistosoma haematobium Life cycle	11:30-12:20 P Class: Topic:	Time	Time	Time
TUESDAY DATE: 22/11/2022	9:00-9:50 Class: BZC-IJT Topic: coelenterata specimens	9:50-10:40 Class: FS&ND+ Topic: V Revision for Pre-finals	11:30-12:20 P Class: BZC+BTZC Topic: -IJT parasitic adaptations	Time	Time	Time
WEDNESDAY DATE: 23/11/2022	9:00-9:50 Class: FS&ND+ Topic: BT's + mize + Revision precipitation	9:50-10:40 Class: BZC+ Topic: BTZC-IJT parasitic adaptation	11:30-12:20 P Class: Topic:	Time	Time	Time
THURSDAY DATE: 24/11/2022	9:00-9:50 Class: FS&ND+ Topic: BT's + mize + Revision Agglutination	9:50-10:40 Class: BZC+ Topic: BTZC-IJT Nemathelemintiasis General characters & Uppe classes	11:30-12:20 P Class: Topic:	Time	Time	Time
FRIDAY DATE: 25/11/2022	No class work due to Biotechnology fest	No class work due to Biotechnology fest	11:30-12:20 P Class: Topic:	Time	Time	Time
SATURDAY DATE: 26/11/2022	9:00-9:50 Class: BZC+ Topic: BTZC-IJT Dracunculosis Life history	9:50-10:40 Class: Topic:	11:30-12:20 P Class: Topic:	Time	Time	Time

a) This week work load

10

b) Casual leaves availed

12 days

H.O.D.

Ac. Co.

Principal

MONTH OF : November/December						
KLX DIARY	ing of the Period Day and Date	Time	Time	Time	Time	Time
MONDAY 31/11/2022	Class: Topic:	9:00 - 9:50 AM	Class: Topic: (AN) UG pre-final Examination Room NO 303 MBSA	Class: Topic:	Class: Topic:	Class: Topic:
TUESDAY 29/11/2022	Class: BTZC-I Topic: Platyhelminthes specimens		Class: Topic: pre-final Examination Room NO	Class: Topic:	Class: Topic:	Class: Topic:
WEDNESDAY 30/11/2022	Class: BTZC+ Topic: BZC-IJT Dracunculus life history.		Class: Topic: pre-final examination zooology Lab-1	Class: Topic:	Class: Topic:	Class: Topic:
THURSDAY 1/12/2022	Class: BTZC+ Topic: BZC-IJT Annelida General characters		Class: Topic: pre-final examination	Class: Topic:	Class: Topic:	Class: Topic:
FRIDAY 2/12/2022	Class: BTZC+ Topic: BZC-IJT Digestive system Annelida, classification segmental characters		Class: Topic: pre-final Exam investigation duty	Class: Topic:	Class: Topic:	Class: Topic:
SATURDAY 3/12/2022	Class: BTZC Topic: BZC-IJT Leachi's segmentation		Class: Topic: pre-final Exam investigation duty	Class: Topic:	Class: Topic:	Class: Topic:

his week work load

05

b) Casual leaves availed

NL

H.O.D.

Ac. Co.

Principal

WEEKLY DIARY		MONTH OF: December					
Timing of the Period	Time	Time	Time	Time	Time	Time	Time
Day and Date	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:
MONDAY DATE: 15/12/2022	Class: Topic:	Class: Topic: Inavigation duty Rooming	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:
TUESDAY DATE: 6/12/2022	Class: Topic:	Class: Topic: NAAC WORK	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:
WEDNESDAY DATE: 7/12/2022	Class: Topic: BZC + BTZC Leech: Segmentation	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:
THURSDAY DATE: 8/12/2022	Class: Topic: BZC + BTZC Leech: Digestive System	Class: Topic: MPC - I & II Energy flow in ecosystem	Class: Topic: ← NAAC WORK	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:
FRIDAY DATE: 9/12/2022	Class: Topic: BZC + BTZC Leech: Digestive System	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:
SATURDAY DATE: 10/12/2022	Class: Topic: BZC + BTZC Leech Digestive System	Class: Topic:	Class: Topic: 1/2 day c.L	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:

a) This week work load

05

b) Casual leaves availed

1/2 day

H.O.D.

Ac. Co.

Principle

MONTH OF: December

Day and Date	Time	Time 10:40-11:30 AM	Time	Time	Time	Time
MONDAY 12/12/2022	Class: BZC+ Topic: BTZC-IFT Haemocoelomic system	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:
TUESDAY 13/12/2022	Class: BZC+ Topic: BTZC-IFT Haemocoelomic system	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:
WEDNESDAY 14/12/2022	Class: BZC+ Topic: BTZC-IFT Coelom & Coelomoducts	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:
THURSDAY 15/12/2022	Class: BZC+ Topic: BTZC-IFT Coelom & Coelomoducts	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:
FRIDAY 16/12/2022	Class: BZC-IFT Topic: BTZC-IFT Coelom & Coelomoducts	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:
SATURDAY 17/12/2022	Class: BZC Topic: BTZC-IFT FZC-NZC-IFT Coelom & Coelomoducts	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:

This week work load

06

b) Casual leaves availed

NIL

H.O.D.

Ac. Co.

Principal

MONTH OF: December

WEEKLY DIARY

Timing of the Period Day and Date	Time 9:50 - 10:40 A	Time 10:40 - 11:30 Am	Time	Time	Time	Time
MONDAY DATE: 10/12/2022	Class: BTZC Topic: BZC - IlyT Haemophil 2 Beneficial Insects	Class: BTBZ Topic: BTM12-IlyT FSSND Digestive System Tech	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:
TUESDAY DATE: 11/12/2022	Class: BTZC Topic: BZC - IlyT peripatus affinities	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:
WEDNESDAY DATE: 12/12/2022	Class: BTZC Topic: BZC - IlyT peripatus affinities	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:
THURSDAY DATE: 13/12/2022	Class: BTZC Topic: BZC - IlyT BZC Coelomoducts	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:
FRIDAY DATE: 14/12/2022	Class: BTZC Topic: BZC - IlyT Excretory System & Reproductive System	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:
SATURDAY DATE: 15/12/2022	Class: BTZC Topic: BZC - IlyT Revision	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:

a) This week work load 01

b) Casual leaves availed

Nil

H.O.D.

Ac. Co.

Principal

WEEKLY DIARY

Timing of the Period

Day and Date

MONDAY

DATE: 9/1/2023

TUESDAY

DATE: 10/1/2023

WEDNESDAY

DATE: 11/1/2023

THURSDAY

DATE: 12/1/2023

FRIDAY

DATE: 13/1/2023

SATURDAY

DATE: 14/1/2023

MONTH OF: January

Timing of the Period Day and Date	Time	Time	Time	Time	Time	Time	Time	Time
MONDAY DATE: 9/1/2023	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:
TUESDAY DATE: 10/1/2023	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:
WEDNESDAY DATE: 11/1/2023	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:
THURSDAY DATE: 12/1/2023	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:
FRIDAY DATE: 13/1/2023	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:
SATURDAY DATE: 14/1/2023	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:

This week work load

ALL

b) Casual leaves availed

NIL

H.O.D.

Ac. Co.

Principal

WEEKLY DIARY		MONTH OF: <u>January</u>					
Timing of the Period Day and Date		Time	Time	Time	Time	Time	Time
MONDAY DATE: <u>16/1/2023</u>	Time <u>9:50-10:40 AM</u>	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:
TUESDAY DATE: <u>17/1/2023</u>	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:
WEDNESDAY DATE: <u>18/1/2023</u>	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:
THURSDAY DATE: <u>19/1/2023</u>	Class: <u>BZC+BTZC</u> Topic: <u>IT Pearl formation</u>	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:
FRIDAY DATE: <u>20/1/2023</u>	Class: <u>BZC+BTZC</u> Topic: <u>IT prawn - Respiratory system</u>	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:
SATURDAY DATE: <u>21/1/2023</u>	Class: <u>BZC+BTZC</u> Topic: <u>IT Digestive system & Nervous system</u>	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:

KEY DIARY		MONTH OF: <u>January</u>					
Day and Date	Time	Time	Time	Time	Time	Time	Time
MONDAY 23/1/2023	Class: BZC+ Topic: BTZC-IT Tension in Gasteropoda	Time 9:00-9:50 AM	Class: Topic:	Time 10:40-11:30 AM	Class: Topic:	Class: Topic:	Class: Topic:
TUESDAY 24/1/2023	Class: BZC+ Topic: BTZC-IT Tension in Gasteropoda	Time 9:00-9:50 AM	Class: Topic:	Class: BZC-IT Topic: Nervous system - Direction	Class: Topic:	Class: Topic:	Class: Topic:
WEDNESDAY 25/1/2023	Class: BZC+ Topic: BTZC-IT Digestive system of pyla	Time 9:00-9:50 AM	Class: Topic:	Class: FZC-IT Topic: Nervous system - Direction	Class: Topic:	Class: Topic:	Class: Topic:
THURSDAY 26/1/2023	Class: Topic:	Time 9:00-9:50 AM	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:
FRIDAY 27/1/2023	Class: BZC+ Topic: BTZC-IT - Names of pyla	Time 9:00-9:50 AM	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:
SATURDAY 28/1/2023	Class: Topic:	Time 9:00-9:50 AM	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:

WEEKLY DIARY

WEEKLY DIARY

MONTH OF: February

Timing of the Period Day and Date	Time	Time	Time	Time	Time	Time	Time
MONDAY DATE: 20/1/2023	Class: FZC-ITYP Topic: Prawn: Nervous system dissection	Class: BZC-ITYT Topic: BTZC-ITYT Starfish: Water Vascular system	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:
TUESDAY DATE: 31/1/2023	Class: NDZC-ITYP Topic: Prawn: Nervous system dissection	Class: BZC-ITYT Topic: BTZC-ITYT Echinodermata Larval forms	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:
WEDNESDAY DATE: 1/2/2023	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:
THURSDAY DATE: 2/2/2023	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:
FRIDAY DATE: 3/2/2023	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:
SATURDAY DATE: 4/2/2023	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:

a) This week work load

4

b) Casual leaves availed

4 days

H.O.D.

Ac. Co.

Principal

DIARY		MONTH OF: <u>February</u>							
of the Period and Date	Time	Time	Time	Time	Time	Time	Time	Time	Time
SUNDAY <u>6/2/2023</u>	Class: <u>BT's VI, JT</u> Topic: <u>FS AND</u> <u>Syllabus dictated</u>	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:
TUESDAY <u>7/2/2023</u>	Class: <u>B77C</u> Topic: <u>BTB2, VI, BTM2, FS AND</u> <u>Syllabus dictated</u>	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:
WEDNESDAY <u>8/2/2023</u>	Class: <u>BTB LFS AND</u> Topic: <u>Structure of Eco system</u>	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:
THURSDAY <u>9/2/2023</u>	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:
FRIDAY <u>10/2/2023</u>	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:
SATURDAY <u>11/2/2023</u>	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:

work load

03

b) Casual leaves availed

AM

H.O.D.

Ac. Co.

Principal

Attended Conference
in Vag Engineering College

WEEKLY DIARY		MONTH OF : February				
Timing of the Period	Time	Time	Time	Time	Time	Time
Day and Date	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:
MONDAY DATE: 13/2/2023	Class: BTZC VI J T Topic: BTB2 VI J T BTM12 Ecosystem	Class: BTZC VI J T Topic: BTB2 VI J T BTM12 FS END Ecosystem	Class: BTZC VI J T Topic: BTB2 VI J T BTM12 FS END Ecosystem	Class: FS END VI J T Topic: BZC(A) VI J T Ecosystem	Class: FS END VI J T Topic: BZC(A) VI J T Ecosystem	Class: FS END VI J T Topic: BZC(A) VI J T Ecosystem
TUESDAY DATE: 14/2/2023	Class: BTZC VI J T Topic: BTB2 VI J T BTM12 Terrestrial ecosystem	Class: BTZC VI J T Topic: BTB2 VI J T BTM12 Terrestrial ecosystem	Class: BTZC VI J T Topic: BTB2 VI J T BTM12 Terrestrial ecosystem	Class: BTZC VI J T Topic: BTB2 VI J T BTM12 Terrestrial ecosystem	Class: BTZC VI J T Topic: BTB2 VI J T BTM12 Terrestrial ecosystem	Class: BTZC VI J T Topic: BTB2 VI J T BTM12 Terrestrial ecosystem
WEDNESDAY DATE: 15/2/2023	Class: BTZC VI J T Topic: BTB2 VI J T FS END Carbon cycle	Class: BTZC VI J T Topic: BTB2 VI J T FS END Carbon cycle	Class: BTZC VI J T Topic: BTB2 VI J T FS END Carbon cycle	Class: BTZC VI J T Topic: BTB2 VI J T FS END Carbon cycle	Class: BTZC VI J T Topic: BTB2 VI J T FS END Carbon cycle	Class: BTZC VI J T Topic: BTB2 VI J T FS END Carbon cycle
THURSDAY DATE: 16/2/2023	Class: BTZC VI J T Topic: BTB2 VI J T FS END Nitrogen cycle	Class: BTZC VI J T Topic: BTB2 VI J T FS END Nitrogen cycle	Class: BTZC VI J T Topic: BTB2 VI J T FS END Nitrogen cycle	Class: BTZC VI J T Topic: BTB2 VI J T FS END Nitrogen cycle	Class: BTZC VI J T Topic: BTB2 VI J T FS END Nitrogen cycle	Class: BTZC VI J T Topic: BTB2 VI J T FS END Nitrogen cycle
FRIDAY DATE: 17/2/2023	Class: BTZC VI J T Topic: BTB2 VI J T FS END Nitrogen cycle	Class: BTZC VI J T Topic: BTB2 VI J T FS END Nitrogen cycle	Class: BTZC VI J T Topic: BTB2 VI J T FS END Nitrogen cycle	Class: BTZC VI J T Topic: BTB2 VI J T FS END Nitrogen cycle	Class: BTZC VI J T Topic: BTB2 VI J T FS END Nitrogen cycle	Class: BTZC VI J T Topic: BTB2 VI J T FS END Nitrogen cycle
SATURDAY DATE: 18/2/2023	Class: BTZC VI J T Topic: BTB2 VI J T FS END Nitrogen cycle	Class: BTZC VI J T Topic: BTB2 VI J T FS END Nitrogen cycle	Class: BTZC VI J T Topic: BTB2 VI J T FS END Nitrogen cycle	Class: BTZC VI J T Topic: BTB2 VI J T FS END Nitrogen cycle	Class: BTZC VI J T Topic: BTB2 VI J T FS END Nitrogen cycle	Class: BTZC VI J T Topic: BTB2 VI J T FS END Nitrogen cycle

CLY DIARY		MONTH OF: February					
Day of the Period Day and Date		Time 9:00-9:50 AM	Time 10:40-11:30 AM	Time 11:30-12:20 PM	Time 1:30-3:00 PM	Time	
MONDAY 09/02/2023	Class: BTs + FS & ND Topic: mize VI yT Water cycle	Class: BZCS + BZCB Topic: VI yT Terrestrial & Nitrogen cycle	Class: FS & ND + BZC(A) sec Topic: Terrestrial ecosystem	Class: ND VI yT Topic: Estimation of Carbonates	Class: Topic:	Class: Topic:	
TUESDAY 10/02/2023	Class: BTs + FS & ND Topic: + mize VI yT phosphorus cycle	Class: BZCS + BZCB Topic: VI yT Nitrogen cycle	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	
WEDNESDAY 11/02/2023	Class: BZCS + BZCB Topic: mize VI yT phosphorus cycle	Class: BTs + FS & ND Topic: + mize VI yT Energy flow in ecosystem	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	
THURSDAY 12/02/2023	Class: BZCS + BZCB Topic: mize VI yT Energy flow in ecosystem	Class: BTs + FS & ND Topic: mize VI yT Energy flow in ecosystem	Class: Topic: ← 1/2 day C.L. → (AND)	Class: Topic:	Class: Topic:	Class: Topic:	
FRIDAY 13/02/2023	Class: BZCS + BZCB Topic: mize VI yT Y shaped model in ecosystem	Class: BTs + FS & ND Topic: mize VI yT Y shaped model in ecosystem	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	
SATURDAY 14/02/2023	Class: BZCS + BZCB Topic: mize VI yT Energy flow	Class: BTs + FS & ND Topic: mize VI yT Energy flow	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:	

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b) Casual leaves availed

1/2 day

H.O.D.

Ac. Co.

Principal

WEEKLY DIARY

MONTH OF : Feb / March

Timing of the Period	Time	Time	Time	Time	Time	Time
Day and Date	Time	Time	Time	Time	Time	Time
MONDAY DATE : 27/02/2023	9:50-10:40 AM Class: BTZC mize Topic: BTB2 FSND Ecological pyramids	11:30-12:20 PM Class: BZC(A) Topic: BZCS VI yT Mize Ecological pyramids	10:40-11:30 AM Class: Topic:	Time	Time	Class: Topic: Class: Topic:
TUESDAY DATE : 28/02/2023	Class: BTZC mize Topic: BTB2 FSND yT BTmiz VI Animal Association Ecological pyramids	Class: BZC(A) Topic: BZCS VI yT Mize Ecological pyramids	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:
WEDNESDAY DATE : 1/3/2023	Class: BTZC Topic: BTB2 yT FSND BTmiz VI Predation Competition	Class: BZC(A) Topic: BZCS VI yT Mize Ecological pyramids	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:
THURSDAY DATE : 2/3/2023	Class: BTZC Topic: BTB2 yT FSND BTmiz VI Population Dynamics	Class: BZC(A) Topic: BZCS VI yT Mize population dynamics	Class: Topic:	Class: Topic:	Class: Topic:	Class: Topic:
FRIDAY DATE : 3/3/2023	Class: BTZC Topic: BTB2 yT FSND BTmiz VI Population Dynamics	Class: BZC(A) Topic: BZCS VI yT Mize population dynamics	Class: MPES-D yT Topic: Nutritional deficiencies (ExHA) (PHA)	Class: Topic:	Class: Topic:	Class: Topic:
SATURDAY DATE : 4/3/2023	Class: BTZC Topic: BTB2 yT FSND BTmiz VI population dynamics	Class: BZC(A) Topic: BZCS VI yT Mize population dynamics	Class: MPES-D yT Topic: Nutritional deficiencies	Class: Topic:	Class: Topic:	Class: Topic:

a) This week work load

13

b) Casual leaves availed

NET

H.D.

Ac. Co.

Principal

WEEKLY DIARY

Timing of the Period

Day and Date

MONDAY

6/3/2023

Time 9:30 - 10:40 AM

Class: BT2C
Topic: BTB2
BTM12 VI
FS2ND
Community structure

Time 10:40 - 11:30 AM

Class: B2C(B)
Topic: B2CS M12CS
YT
Community structure

Time 1:30 - 2:50 PM

Class:
Topic:

Time

Class:
Topic:

Time

Class:
Topic:

Time

Class:
Topic:

TUESDAY

7/3/2023

Class:
Topic:

Class:
Topic:

Class:
Topic:

Class:
Topic:

Class:
Topic:

WEDNESDAY

8/3/2023

Class: BT2C
Topic: BTB2
BTM12 VI
FS2ND
Community structure

Class: B2C(B)
Topic: B2CS M12CS
YT
Community structure

Class:
Topic:

Class:
Topic:

Class:
Topic:

Class:
Topic:

THURSDAY

9/3/2023

Class: BT2C
Topic: BTB2
BTM12 VI
FS2ND
Community structure

Class: B2C(B)
Topic: B2CS M12CS
YT
Community structure

Class: BTB2
Topic: BTM12
YT
Union root tips

Class:
Topic:

Class:
Topic:

Class:
Topic:

FRIDAY

10/3/2023

Class: BT2C
Topic: BTB2
BTM12 VI
FS2ND
Ecological succession

Class: B2C(B)
Topic: B2CS M12CS
YT
Ecological succession

Class: MRS
Topic:

Class:
Topic:

Class:
Topic:

Class:
Topic:

SATURDAY

11/3/2023

Class: BT2C
Topic: BTB2
BTM12 VI
FS2ND
Ecological adaptations

Class: B2C(B)
Topic: B2CS M12CS
YT
Ecological adaptations

Class:
Topic:

Class:
Topic:

Class:
Topic:

Class:
Topic:

the week work load

11

b) Casual leaves availed

NIL

H.O.D.

Ac. Co.

Principal

MONTH OF: March

WEEKLY DIARY		MONTH OF : March					
Timing of the Period	Time	Time	Time	Time	Time	Time	Time
Day and Date	Class:	Topic:	Class:	Topic:	Class:	Topic:	Class:
MONDAY DATE: 13/3/2023	← 1/2 day C.L. (FN)						
TUESDAY DATE: 14/3/2023	Class: BZC8 + Topic: BZC8 + Adaptations	Class: BTZC Topic: BTZC Adaptations	Class: BTZC + BTZC Topic: BTZC + BTZC Adaptations	Class: BTZC + BTZC Topic: BTZC + BTZC Adaptations	Class: BTZC + BTZC Topic: BTZC + BTZC Adaptations	Class: BTZC + BTZC Topic: BTZC + BTZC Adaptations	Class: BTZC + BTZC Topic: BTZC + BTZC Adaptations
WEDNESDAY DATE: 15/3/2023	Class: BZC8 + Topic: BZC8 + Adaptations	Class: BTZC Topic: BTZC Adaptations	Class: BTZC + BTZC Topic: BTZC + BTZC Adaptations	Class: BTZC + BTZC Topic: BTZC + BTZC Adaptations	Class: BTZC + BTZC Topic: BTZC + BTZC Adaptations	Class: BTZC + BTZC Topic: BTZC + BTZC Adaptations	Class: BTZC + BTZC Topic: BTZC + BTZC Adaptations
THURSDAY DATE: 16/3/2023	Class: BZC8 + Topic: BZC8 + Adaptations	Class: BTZC Topic: BTZC Adaptations	Class: BTZC + BTZC Topic: BTZC + BTZC Adaptations	Class: BTZC + BTZC Topic: BTZC + BTZC Adaptations	Class: BTZC + BTZC Topic: BTZC + BTZC Adaptations	Class: BTZC + BTZC Topic: BTZC + BTZC Adaptations	Class: BTZC + BTZC Topic: BTZC + BTZC Adaptations
FRIDAY DATE: 17/3/2023	Class: BZC8 + Topic: BZC8 + Adaptations	Class: BTZC Topic: BTZC Adaptations	Class: BTZC + BTZC Topic: BTZC + BTZC Adaptations	Class: BTZC + BTZC Topic: BTZC + BTZC Adaptations	Class: BTZC + BTZC Topic: BTZC + BTZC Adaptations	Class: BTZC + BTZC Topic: BTZC + BTZC Adaptations	Class: BTZC + BTZC Topic: BTZC + BTZC Adaptations
SATURDAY DATE: 18/3/2023	Class: BZC8 + Topic: BZC8 + Adaptations	Class: BTZC Topic: BTZC Adaptations	Class: BTZC + BTZC Topic: BTZC + BTZC Adaptations	Class: BTZC + BTZC Topic: BTZC + BTZC Adaptations	Class: BTZC + BTZC Topic: BTZC + BTZC Adaptations	Class: BTZC + BTZC Topic: BTZC + BTZC Adaptations	Class: BTZC + BTZC Topic: BTZC + BTZC Adaptations

DIARY

of the Period
and Date

MONTH OF : March

of the Period and Date	Time 9:10-9:50 AM	Time 10:40-11:30 AM	Time 11:30-12:20 PM	Time	Time	Time
SUNDAY 28/03/2023	Class: BZC(A) Topic: FZC + NZE Ecological Succession	Class: BZC Topic: BZC + NZE Ecological Succession	Class: BZC Topic: BZC + NZE Ecological Succession	Class: BZC Topic: BZC + NZE Ecological Succession	Class: BZC Topic: BZC + NZE Ecological Succession	Class: BZC Topic: BZC + NZE Ecological Succession
TUESDAY 29/03/2023	Class: BZC(B) Topic: BZC + NZE Zoogeography	Class: BZC Topic: BZC + NZE Zoogeography	Class: BZC Topic: BZC + NZE Zoogeography	Class: BZC Topic: BZC + NZE Zoogeography	Class: BZC Topic: BZC + NZE Zoogeography	Class: BZC Topic: BZC + NZE Zoogeography
WEDNESDAY 30/03/2023	Class: BZC(B) Topic: BZC + NZE Evolution; Darwinism	Class: BZC Topic: BZC + NZE Evolution; Darwinism	Class: BZC Topic: BZC + NZE Evolution; Darwinism	Class: BZC Topic: BZC + NZE Evolution; Darwinism	Class: BZC Topic: BZC + NZE Evolution; Darwinism	Class: BZC Topic: BZC + NZE Evolution; Darwinism
THURSDAY 31/03/2023	Class: BZC(B) Topic: BZC + NZE Evolution; Darwinism	Class: BZC Topic: BZC + NZE Evolution; Darwinism	Class: BZC Topic: BZC + NZE Evolution; Darwinism	Class: BZC Topic: BZC + NZE Evolution; Darwinism	Class: BZC Topic: BZC + NZE Evolution; Darwinism	Class: BZC Topic: BZC + NZE Evolution; Darwinism
FRIDAY 01/04/2023	Class: BZC(B) Topic: BZC + NZE Evolution; Darwinism	Class: BZC Topic: BZC + NZE Evolution; Darwinism	Class: BZC Topic: BZC + NZE Evolution; Darwinism	Class: BZC Topic: BZC + NZE Evolution; Darwinism	Class: BZC Topic: BZC + NZE Evolution; Darwinism	Class: BZC Topic: BZC + NZE Evolution; Darwinism
SATURDAY 02/04/2023	Class: BZC(B) Topic: BZC + NZE Evolution; Darwinism	Class: BZC Topic: BZC + NZE Evolution; Darwinism	Class: BZC Topic: BZC + NZE Evolution; Darwinism	Class: BZC Topic: BZC + NZE Evolution; Darwinism	Class: BZC Topic: BZC + NZE Evolution; Darwinism	Class: BZC Topic: BZC + NZE Evolution; Darwinism

week work load

12

b) Casual leaves availed

ALL

H.O.D.

Ac. Co.

Principal

WEEKLY DIARY

Timing of the Period

Day and Date

MONDAY

DATE:

21/3/2023

TUESDAY

DATE:

22/3/2023

WEDNESDAY

DATE:

23/3/2023

THURSDAY

DATE:

24/3/2023

FRIDAY

DATE:

25/3/2023

SATURDAY

DATE:

26/3/2023

Time 9:00-9:50 AM

Class: FS2ND
Topic: BTZC + BTB2 + BTM12
Isolation

Class: FS2ND
Topic: BTZC + BTB2 + BTM12
Speciation

Class: FS2ND
Topic: BTZC + BTB2 + BTM12
Speciation

Class:
Topic:

Class: BZC + BZCS + mizes
Topic: Zoogeography

Class: BZC + BZCS + mizes
Topic: Revision

Time 9:50-10:40 AM

Class: BZC(B)
Topic: BZCS + mizes
Isolation

Class: BZC(B)
Topic: BZCS + mizes
Speciation

Class: BZC(B)
Topic: BZCS + mizes
Speciation

Class:
Topic:

Class: BTZC
Topic: BTB2 + BTM12 + FS2ND
Zoogeography

Class:
Topic:

Time 11:30-12:20 PM

Class: BZC + BTZC
Topic: DNA + types
①

Class: BZC + BTZC
Topic: Transcription & Translation
②

Class:
Topic:

Class:
Topic: → Sree Rama Navami →

Class:
Topic:

Class:
Topic:

Time 1:30-3:00 PM

Class: FS2ND
Topic: VI
Estimation of chlorides

Class:
Topic:

Class:
Topic:

Class:
Topic:

Class:
Topic:

Class:
Topic:

MONTH OF: March

Time

Class:
Topic:

Class:
Topic:

Class:
Topic:

Class:
Topic:

Class:
Topic:

Class:
Topic:

a) This week work load

12

b) Casual leaves availed

Nil

H.O.D.

Ac. Co.

Principal

Day and Date _____

MONTH OF: Apr 11

Day and Date	Time	Class: Topic:	Time	Class: Topic:	Time	Class: Topic:	Time	Class: Topic:
MONDAY <u>4/4/2023</u>								
TUESDAY <u>4/4/2023</u>								
WEDNESDAY <u>5/4/2023</u>								
THURSDAY <u>6/4/2023</u>								
FRIDAY <u>7/4/2023</u>								
SATURDAY <u>8/4/2023</u>								

Week work load 71/1

b) Casual leaves availed

02-cl

H. B. D.

Ac. Co.

Principal

WEEKLY DIARY		MONTH OF: April					
Timing of the Period		Time 9:00-9:50 AM	Time 10:40-11:30 AM	Time 12:30-3:00 PM	Time	Time	Time
Day and Date							
MONDAY							
DATE: 10/4/2023		Class: BTB2 Topic: BTM12-VI BTZC MIZC Palaeartic region	Class: BZCS Topic: MIZCS-VI BZC(B) Palaeartic region	Class: BTZC+3P Topic: BTB2 Onion root tips	Class: BTZC+3P Topic: BTB2 Onion root tips	Class: BTZC+3P Topic: BTB2 Onion root tips	Class: BTZC+3P Topic: BTB2 Onion root tips
TUESDAY		Class: BTB2 Topic: BTM12-VI BTZC MIZC Palaeartic region	Class: BZCS Topic: MIZCS-VI BZC(B) Palaeartic region	Class: BTZC+3P Topic: BTB2 Onion root tips	Class: BTZC+3P Topic: BTB2 Onion root tips	Class: BTZC+3P Topic: BTB2 Onion root tips	Class: BTZC+3P Topic: BTB2 Onion root tips
DATE: 11/4/2023		Class: BTB2 Topic: BTM12-VI BTZC MIZC Palaeartic region	Class: BZCS Topic: MIZCS-VI BZC(B) Palaeartic region	Class: BTZC+3P Topic: BTB2 Onion root tips	Class: BTZC+3P Topic: BTB2 Onion root tips	Class: BTZC+3P Topic: BTB2 Onion root tips	Class: BTZC+3P Topic: BTB2 Onion root tips
WEDNESDAY		Class: BTB2 Topic: BTM12-VI BTZC MIZC Palaeartic region	Class: BZCS Topic: MIZCS-VI BZC(B) Palaeartic region	Class: BTZC+3P Topic: BTB2 Onion root tips	Class: BTZC+3P Topic: BTB2 Onion root tips	Class: BTZC+3P Topic: BTB2 Onion root tips	Class: BTZC+3P Topic: BTB2 Onion root tips
DATE: 12/4/2023		Class: BTB2 Topic: BTM12-VI BTZC MIZC Palaeartic region	Class: BZCS Topic: MIZCS-VI BZC(B) Palaeartic region	Class: BTZC+3P Topic: BTB2 Onion root tips	Class: BTZC+3P Topic: BTB2 Onion root tips	Class: BTZC+3P Topic: BTB2 Onion root tips	Class: BTZC+3P Topic: BTB2 Onion root tips
THURSDAY		Class: BTB2 Topic: BTM12-VI BTZC MIZC Palaeartic region	Class: BZCS Topic: MIZCS-VI BZC(B) Palaeartic region	Class: BTZC+3P Topic: BTB2 Onion root tips	Class: BTZC+3P Topic: BTB2 Onion root tips	Class: BTZC+3P Topic: BTB2 Onion root tips	Class: BTZC+3P Topic: BTB2 Onion root tips
DATE: 13/4/2023		Class: BTB2 Topic: BTM12-VI BTZC MIZC Palaeartic region	Class: BZCS Topic: MIZCS-VI BZC(B) Palaeartic region	Class: BTZC+3P Topic: BTB2 Onion root tips	Class: BTZC+3P Topic: BTB2 Onion root tips	Class: BTZC+3P Topic: BTB2 Onion root tips	Class: BTZC+3P Topic: BTB2 Onion root tips
FRIDAY		Class: BTB2 Topic: BTM12-VI BTZC MIZC Palaeartic region	Class: BZCS Topic: MIZCS-VI BZC(B) Palaeartic region	Class: BTZC+3P Topic: BTB2 Onion root tips	Class: BTZC+3P Topic: BTB2 Onion root tips	Class: BTZC+3P Topic: BTB2 Onion root tips	Class: BTZC+3P Topic: BTB2 Onion root tips
DATE: 14/4/2023		Class: BTB2 Topic: BTM12-VI BTZC MIZC Palaeartic region	Class: BZCS Topic: MIZCS-VI BZC(B) Palaeartic region	Class: BTZC+3P Topic: BTB2 Onion root tips	Class: BTZC+3P Topic: BTB2 Onion root tips	Class: BTZC+3P Topic: BTB2 Onion root tips	Class: BTZC+3P Topic: BTB2 Onion root tips
SATURDAY		Class: BTB2 Topic: BTM12-VI BTZC MIZC Palaeartic region	Class: BZCS Topic: MIZCS-VI BZC(B) Palaeartic region	Class: BTZC+3P Topic: BTB2 Onion root tips	Class: BTZC+3P Topic: BTB2 Onion root tips	Class: BTZC+3P Topic: BTB2 Onion root tips	Class: BTZC+3P Topic: BTB2 Onion root tips
DATE: 15/4/2023		Class: BTB2 Topic: BTM12-VI BTZC MIZC Palaeartic region	Class: BZCS Topic: MIZCS-VI BZC(B) Palaeartic region	Class: BTZC+3P Topic: BTB2 Onion root tips	Class: BTZC+3P Topic: BTB2 Onion root tips	Class: BTZC+3P Topic: BTB2 Onion root tips	Class: BTZC+3P Topic: BTB2 Onion root tips

a) This week work load

09

b) Casual leaves availed

1

H.O.D.

Ac. Co.

Principal

WEEKLY DIARY

Timing of the Period		MONTH OF: April					
Day and Date	Time	Time	Time	Time	Time	Time	Time
MONDAY 17/4/2023	9:50-10:40 AM FEB-ND	10:40-11:30 AM	1:30-3:00 PM				
	Class: BTB2 Topic: BTM12 VI JT Discontinuous distribution	Class: BZC(B) Topic: BZC VI JT Discontinuous distribution	Class: BZC(B) Topic: BZC VI JT Discontinuous distribution	Class: BZC(B) Topic: BZC VI JT Discontinuous distribution	Class: BZC(B) Topic: BZC VI JT Discontinuous distribution	Class: BZC(B) Topic: BZC VI JT Discontinuous distribution	Class: BZC(B) Topic: BZC VI JT Discontinuous distribution
TUESDAY 18/4/2023	Class: BTB2 Topic: BTM12 VI JT Discontinuous distribution	Class: BZC(B) Topic: BZC VI JT Discontinuous distribution	Class: BZC(B) Topic: BZC VI JT Discontinuous distribution	Class: BZC(B) Topic: BZC VI JT Discontinuous distribution	Class: BZC(B) Topic: BZC VI JT Discontinuous distribution	Class: BZC(B) Topic: BZC VI JT Discontinuous distribution	Class: BZC(B) Topic: BZC VI JT Discontinuous distribution
WEDNESDAY 19/4/2023	Class: BTB2 Topic: BTM12 VI JT Discontinuous distribution	Class: BZC(B) Topic: BZC VI JT Discontinuous distribution	Class: BZC(B) Topic: BZC VI JT Discontinuous distribution	Class: BZC(B) Topic: BZC VI JT Discontinuous distribution	Class: BZC(B) Topic: BZC VI JT Discontinuous distribution	Class: BZC(B) Topic: BZC VI JT Discontinuous distribution	Class: BZC(B) Topic: BZC VI JT Discontinuous distribution
THURSDAY 20/4/2023	Class: BTB2 Topic: BTM12 VI JT Discontinuous distribution	Class: BZC(B) Topic: BZC VI JT Discontinuous distribution	Class: BZC(B) Topic: BZC VI JT Discontinuous distribution	Class: BZC(B) Topic: BZC VI JT Discontinuous distribution	Class: BZC(B) Topic: BZC VI JT Discontinuous distribution	Class: BZC(B) Topic: BZC VI JT Discontinuous distribution	Class: BZC(B) Topic: BZC VI JT Discontinuous distribution
FRIDAY 21/4/2023	Class: BTB2 Topic: BTM12 VI JT Discontinuous distribution	Class: BZC(B) Topic: BZC VI JT Discontinuous distribution	Class: BZC(B) Topic: BZC VI JT Discontinuous distribution	Class: BZC(B) Topic: BZC VI JT Discontinuous distribution	Class: BZC(B) Topic: BZC VI JT Discontinuous distribution	Class: BZC(B) Topic: BZC VI JT Discontinuous distribution	Class: BZC(B) Topic: BZC VI JT Discontinuous distribution
SATURDAY 22/4/2023	Class: BTB2 Topic: BTM12 VI JT Discontinuous distribution	Class: BZC(B) Topic: BZC VI JT Discontinuous distribution	Class: BZC(B) Topic: BZC VI JT Discontinuous distribution	Class: BZC(B) Topic: BZC VI JT Discontinuous distribution	Class: BZC(B) Topic: BZC VI JT Discontinuous distribution	Class: BZC(B) Topic: BZC VI JT Discontinuous distribution	Class: BZC(B) Topic: BZC VI JT Discontinuous distribution

week work load

11

b) Casual leaves availed

NIL

H.O.D.

Ac. Co.

Principal

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8

211

H.O.D., Head Office,

Principal

CLY DIARY

12 M 10:00-11:00 AM

MONTH OF :

May

Day and Date	Time	Class : Topic :	Time	Class : Topic :	Time	Class : Topic :	Time	Class : Topic :	Time	Class : Topic :
MONDAY 11/5/2022	9:30 Time 9:50-10:40 Am	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :
TUESDAY 12/5/2022	8:30-10:40 P	Class : Topic : Histology slides	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :
WEDNESDAY		Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :
THURSDAY		Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :
FRIDAY		Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :
SATURDAY		Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :	Class : Topic :

work work load

01

b) Casual leaves availed

NTL

H.O.D.

Ac. Co.

Principal

Month: August

Name: J. Sandhya

Dept: Zoology

Actual work load allotted as per the Time-Table	No. of Classes taken	Syllabus covered Month-wise	Steps proposed to be taken or the coverage, if not covered	No. of Casual leaves availed	Signature of Teacher	Signature of the Head of the Department	Signature of the Principal
2	3	4	5	6	7	8	9
Theory <u>6/Week</u> Practical <u>3/Week</u>	Theory <u>9</u> Practical <u>02</u> Total <u>11</u>	BTZC+BTM12 +BTB2+FSND +M12C Theory First line of defenses.	covered	1 1/2 days	31/8/2024	30.8.2024	A. Subudhitha

MONTHLY-WISE PLAN SHEET FOR CURRICULAR PROGRAMMES FOR THE YEAR 2012-2013

Name: J. Sandhya

Department: ZOOLOGY



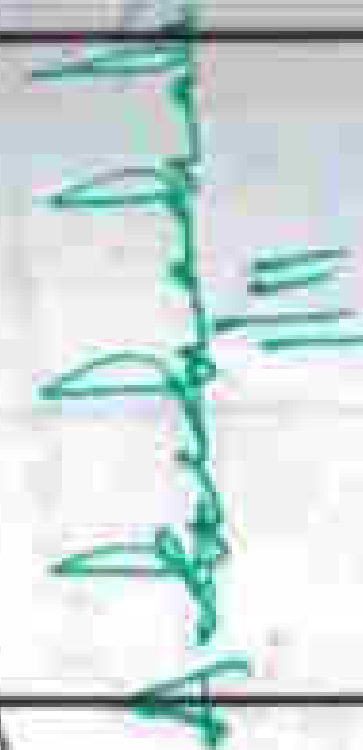
Month: September

No. of Teaching Days	Actual work load allotted as per the Time-Table	No. of Classes taken	Syllabus covered Month-wise	Steps proposed to be taken or the coverage, if not covered	No. of Casual leaves availed	Signature of Teacher	Signature of the Head of the Department	Signature of the Principal
1	2	3	4	5	6	7	8	9
26 days	Theory 6/week Practical 3/week	Theory 34 Practical 09 Total 43	BTB2+BTM12+ BTZC+M12C+ FS&ND YT Recombinant R-DNA Technology Completed	covered	3 days CL	✓ 6/6/12	✓ 6/6/12	✓ 6/6/12

MONTHLY-WISE PLAN SHEET FOR CURRICULAR PROGRAMMES FOR THE YEAR 2012-2013

Name: J. Sandhya Department: Zoology

Month: October

Actual work load allotted as per the Time-Table	No. of Classes taken	Syllabus covered Month-wise	Steps proposed to be taken or the coverage, if not covered	No. of Casual leaves availed	Signature of Teacher	Signature of the Head of the Department	Signature of the Principal
2	3	4	5	6	7	8	9
Theory 12 Practical 3/week	Theory 38 Practical 06 Total 44	BTZC, BTBZ, BTMIZ, FBEND + MIZC + BZC + IT Antigen - Antibody reactions completed I & III & IVth units completed 2nd unit 3rd lesson completed FS & ND + BTBZ + BTMIZ + BZC + MIZC - 1st sem UNIT - I completed UNIT - II 2nd Lesson covered Obelia - Life history completed	covered	1/2 day	 31.10.2012	 31.10.2012	

MONTHLY-WISE PLAN SHEET FOR CURRICULAR PROGRAMMES FOR THE YEAR 2012-2013

Name: J. Sandhya




Department: ZOOLOGY

Month: November

No. of Teaching Days	Actual work load allotted as per the Time-Table	No. of Classes taken	Syllabus covered Month-wise	Steps proposed to be taken or the coverage, if not covered	No. of Casual leaves availed	Signature of Teacher	Signature of the Head of the Department	Signature of the Principal
1	2	3	4	5	6	7	8	9
25 days	Theory 12/week Practical 3	Theory 42 Practical 08 Total 50	BTZC BTBZ BTMZ MIZC FSZND All 4 units completed Syllabus completed	BTMZ theory covered and completed the syllabus	2 cas	[Signature]	[Signature]	[Signature]
			FZC+NZC theory covered	Syllabus completed & completed the syllabus				
			BZC+BTZC-I theory completed Nematelminthes I & II units completed	covered				

MONTHLY-WISE PLAN SHEET FOR CURRICULAR PROGRAMMES FOR THE YEAR 2021-2023

Name: J. Sandhya Dept: zoology Month: December




No. of teaching Days	Actual work load allotted as per the Time-Table	No. of Classes taken	Syllabus covered Month-wise	Steps proposed to be taken or the coverage, if not covered	No. of Casual leaves availed	Signature of Teacher	Signature of the Head of the Department	Signature of the Principal
1	2	3	4	5	6	7	8	9
10 days	theory 12/week practical 2/week	Theory 25 Practical — Total 25	BTZC + BZC-IY drawn; Digestive system completed	Covered	—	 7-1-2023	 7-1-2023	 9/1

MONTHLY-WISE PLAN SHEET FOR CURRICULAR PROGRAMMES FOR THE YEAR 2013-2014

Name: J. Sandhya

Department: ZOOLOGY

Months: January

No. of Teaching Days	Actual work load allotted as per the Time-Table	No. of Classes taken	Syllabus covered Month-wise	Steps proposed to be taken or the coverage, if not covered	No. of Casual leaves availed	Signature of Teacher	Signature of the Head of the Department	Signature of the Principal
1	2	3	4	5	6	7	8	9
23 days	Theory 12/week Practical 1/week	Theory 12 Practical 08 Total 20	BZC+BTZC-I I to IVth units Echinodermata completed	covered 2 theory 2 completed the syllabus	2 CLS	 2013/12/31		

MONTHLY-WISE PLAN SHEET FOR CURRICULAR PROGRAMMES FOR THE YEAR 2013-2014

Name: J. Sandhya

Dept: Zoology

Month

February

Actual work load allotted as per the Time-Table	No. of Classes taken	Syllabus covered Month-wise	Steps proposed to be taken or the coverage, if not covered	No. of Casual leaves availed	Signature of Teacher	Signature of the Head of the Department	Signature of the Principal
2	3	4	5	6	7	8	9
Theory 14/week Practical 3/week Theory 29+1 PPT Practical 02 Total 32		BTBZ BTM12-VI BTZC MIZC FS AND 1st unit completed competition. predation. BZCS + BZC(B) + 1st unit MIZC 1st unit completed Competition. predation. MPCs D.VI sem PHT 3rd year	covered covered covered	2 CLS	28/2/2023		A. Sandhya

MONTHLY-WISE PLAN SHEET FOR CURRICULAR PROGRAMMES FOR THE YEAR 2023-2014


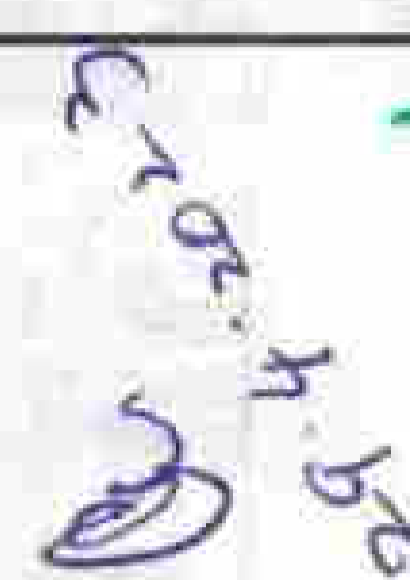

Name: J. Sandhya

Department: ZOOLOGY

Month: March

No. of Teaching Days	Actual work load allotted as per the Time-Table	No. of Classes taken	Syllabus covered Month-wise	Steps proposed to be taken or the coverage, if not covered	No. of Casual leaves availed	Signature of Teacher	Signature of the Head of the Department	Signature Princip
1	2	3	4	5	6	7	8	9
24 days	Theory 12/week Practical 2/week	Theory 47 Practical 10 Total 57	BT02 BTM12 VI BTZC FS2ND MIZC Ist unit IInd unit IVth unit IIIrd unit 1st Lesson Zoogeography completed BZC(B) BZCS MIZCS Ist, II & IV Unit completed IIIrd unit Ist Lesson Zoogeography completed	3 units completed & covered	1/2 day	31/3/2023		

Name: J. Sandhya
Department: Zoology
Month: April

Actual work load allotted as per the Time-Table	No. of Classes taken	Syllabus covered Month-wise	Steps proposed to be taken or the coverage, if not covered	No. of Casual leaves availed	Signature of Teacher	Signature of the Head of the Department	Signature of the Principal
2	3	4	5	6	7	8	9
Theory <u>12/week</u> Practical <u>3/week</u>	Theory <u>24</u> Practical <u>24</u> Total <u>28</u>	BT2C, BT02 BTM12 FS2ND M12C VI JY All 4 units completed upto II Evolution B2C (B) + BZCS + M12C VI JY All 4 units upto Evolution completed	covered & completed syllabus covered & completed syllabus	3016	 29/4/2023	 29/4/2023 A. Subashini	

MONTHLY-WISE PLAN SHEET FOR CURRICULAR PROGRAMMES FOR THE YEAR 2023-2024

Name: J. Sandhya

Department: ZOLOGY

Month: April

Actual work load allotted as per the Time-Table	No. of Classes taken	Syllabus covered Month-wise	Steps proposed to be taken or the coverage, if not covered	No. of Casual leaves availed	Signature of Teacher	Signature of the Head of the Department	Signature of the Principal
2	3	4	5	6	7	8	9
Theory 12/week Practical 3/week	Theory 24 Practical 04 Total 28	BT2C, BT02 BTM12 FS AND M12C VI GT All 4 units completed upto Evolution B2C (B) + B2C TM12C VI GT All 4 units upto Evolution completed	covered & completed syllabus covered 2 completed syllabus	3	29/4/2023 29/4/2023	29/4/2023 29/4/2023	29/4/2023 29/4/2023



VAAGDEVI DEGREE & PG COLLEGE

DIST: HANUMAKONDA, TELANGANA STATE - 506001

(Affiliated to Kakatiya University, Warangal)

(e-mail: contact@vaagdevicolleges.com)

website: www.vaagdevicolleges.com)



Criterion: I

Students Attendance

Subject Wise Attendance			Date		Time		Date		Time	
Sl. No.	Roll No.	Name of the Student	1	2	3	4	5	6	7	8
1	1001	Ramesh Kumar	P	P	P	P	P	P	P	P
2	1002	P. Praveen	P	P	P	P	P	P	P	P
3	1003	P. Anand	P	P	P	P	P	P	P	P
4	1004	P. Suresh	P	P	P	P	P	P	P	P
5	1005	P. Lakshmi	P	P	P	P	P	P	P	P
6	1006	P. Anand	P	P	P	P	P	P	P	P
7	1007	P. Anand	P	P	P	P	P	P	P	P
8	1008	P. Anand	P	P	P	P	P	P	P	P
9	1009	P. Anand	P	P	P	P	P	P	P	P
10	1010	P. Anand	P	P	P	P	P	P	P	P
11	1011	P. Anand	P	P	P	P	P	P	P	P
12	1012	P. Anand	P	P	P	P	P	P	P	P
13	1013	P. Anand	P	P	P	P	P	P	P	P
14	1014	P. Anand	P	P	P	P	P	P	P	P
15	1015	P. Anand	P	P	P	P	P	P	P	P
16	1016	P. Anand	P	P	P	P	P	P	P	P
17	1017	P. Anand	P	P	P	P	P	P	P	P
18	1018	P. Anand	P	P	P	P	P	P	P	P
19	1019	P. Anand	P	P	P	P	P	P	P	P
20	1020	P. Anand	P	P	P	P	P	P	P	P
21	1021	P. Anand	P	P	P	P	P	P	P	P
22	1022	P. Anand	P	P	P	P	P	P	P	P
23	1023	P. Anand	P	P	P	P	P	P	P	P
24	1024	P. Anand	P	P	P	P	P	P	P	P
25	1025	P. Anand	P	P	P	P	P	P	P	P
26	1026	P. Anand	P	P	P	P	P	P	P	P
27	1027	P. Anand	P	P	P	P	P	P	P	P
28	1028	P. Anand	P	P	P	P	P	P	P	P
29	1029	P. Anand	P	P	P	P	P	P	P	P
30	1030	P. Anand	P	P	P	P	P	P	P	P
31	1031	P. Anand	P	P	P	P	P	P	P	P
32	1032	P. Anand	P	P	P	P	P	P	P	P
33	1033	P. Anand	P	P	P	P	P	P	P	P
34	1034	P. Anand	P	P	P	P	P	P	P	P
35	1035	P. Anand	P	P	P	P	P	P	P	P
36	1036	P. Anand	P	P	P	P	P	P	P	P
37	1037	P. Anand	P	P	P	P	P	P	P	P
38	1038	P. Anand	P	P	P	P	P	P	P	P
39	1039	P. Anand	P	P	P	P	P	P	P	P
40	1040	P. Anand	P	P	P	P	P	P	P	P
41	1041	P. Anand	P	P	P	P	P	P	P	P
42	1042	P. Anand	P	P	P	P	P	P	P	P
43	1043	P. Anand	P	P	P	P	P	P	P	P
44	1044	P. Anand	P	P	P	P	P	P	P	P
45	1045	P. Anand	P	P	P	P	P	P	P	P
46	1046	P. Anand	P	P	P	P	P	P	P	P
47	1047	P. Anand	P	P	P	P	P	P	P	P
48	1048	P. Anand	P	P	P	P	P	P	P	P
49	1049	P. Anand	P	P	P	P	P	P	P	P
50	1050	P. Anand	P	P	P	P	P	P	P	P
51	1051	P. Anand	P	P	P	P	P	P	P	P
52	1052	P. Anand	P	P	P	P	P	P	P	P
53	1053	P. Anand	P	P	P	P	P	P	P	P
54	1054	P. Anand	P	P	P	P	P	P	P	P
55	1055	P. Anand	P	P	P	P	P	P	P	P
56	1056	P. Anand	P	P	P	P	P	P	P	P
57	1057	P. Anand	P	P	P	P	P	P	P	P
58	1058	P. Anand	P	P	P	P	P	P	P	P
59	1059	P. Anand	P	P	P	P	P	P	P	P
60	1060	P. Anand	P	P	P	P	P	P	P	P
61	1061	P. Anand	P	P	P	P	P	P	P	P
62	1062	P. Anand	P	P	P	P	P	P	P	P
63	1063	P. Anand	P	P	P	P	P	P	P	P
64	1064	P. Anand	P	P	P	P	P	P	P	P
65	1065	P. Anand	P	P	P	P	P	P	P	P
66	1066	P. Anand	P	P	P	P	P	P	P	P
67	1067	P. Anand	P	P	P	P	P	P	P	P
68	1068	P. Anand	P	P	P	P	P	P	P	P
69	1069	P. Anand	P	P	P	P	P	P	P	P
70	1070	P. Anand	P	P	P	P	P	P	P	P
71	1071	P. Anand	P	P	P	P	P	P	P	P
72	1072	P. Anand	P	P	P	P	P	P	P	P
73	1073	P. Anand	P	P	P	P	P	P	P	P
74	1074	P. Anand	P	P	P	P	P	P	P	P
75	1075	P. Anand	P	P	P	P	P	P	P	P
76	1076	P. Anand	P	P	P	P	P	P	P	P
77	1077	P. Anand	P	P	P	P	P	P	P	P
78	1078	P. Anand	P	P	P	P	P	P	P	P
79	1079	P. Anand	P	P	P	P	P	P	P	P
80	1080	P. Anand	P	P	P	P	P	P	P	P
81	1081	P. Anand	P	P	P	P	P	P	P	P
82	1082	P. Anand	P	P	P	P	P	P	P	P
83	1083	P. Anand	P	P	P	P	P	P	P	P
84	1084	P. Anand	P	P	P	P	P	P	P	P
85	1085	P. Anand	P	P	P	P	P	P	P	P
86	1086	P. Anand	P	P	P	P	P	P	P	P
87	1087	P. Anand	P	P	P	P	P	P	P	P
88	1088	P. Anand	P	P	P	P	P	P	P	P
89	1089	P. Anand	P	P	P	P	P	P	P	P
90	1090	P. Anand	P	P	P	P	P	P	P	P
91	1091	P. Anand	P	P	P	P	P	P	P	P
92	1092	P. Anand	P	P	P	P	P	P	P	P
93	1093	P. Anand	P	P	P	P	P	P	P	P
94	1094	P. Anand	P	P	P	P	P	P	P	P
95	1095	P. Anand	P	P	P	P	P	P	P	P
96	1096	P. Anand	P	P	P	P	P	P	P	P
97	1097	P. Anand	P	P	P	P	P	P	P	P
98	1098	P. Anand	P	P	P	P	P	P	P	P
99	1099	P. Anand	P	P	P	P	P	P	P	P
100	1100	P. Anand	P	P	P	P	P	P	P	P



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[illegible]

Subject Wise Attendance

Sl. No.	Roll No.	Name of the Student	Semester I												Semester II											
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
1	1001	Adarsh Kumar, Dehata				P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
2	1002	Akhil Kumar, Kanchi				P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
3	1003	Amal Kumar, Guntur				P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
4	1004	Anand Kumar, Anantapur				P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
5	1005	Anand Kumar, Anantapur				P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
6	1006	Anand Kumar, Anantapur				P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
7	1007	Anand Kumar, Anantapur				P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
8	1008	Anand Kumar, Anantapur				P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
9	1009	Anand Kumar, Anantapur				P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
10	1010	Anand Kumar, Anantapur				P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
11	1011	Anand Kumar, Anantapur				P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
12	1012	Anand Kumar, Anantapur				P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
13	1013	Anand Kumar, Anantapur				P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
14	1014	Anand Kumar, Anantapur				P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
15	1015	Anand Kumar, Anantapur				P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
16	1016	Anand Kumar, Anantapur				P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
17	1017	Anand Kumar, Anantapur				P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
18	1018	Anand Kumar, Anantapur				P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
19	1019	Anand Kumar, Anantapur				P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
20	1020	Anand Kumar, Anantapur				P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
21	1021	Anand Kumar, Anantapur				P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
22	1022	Anand Kumar, Anantapur				P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
23	1023	Anand Kumar, Anantapur				P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
24	1024	Anand Kumar, Anantapur				P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
25	1025	Anand Kumar, Anantapur				P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
26	1026	Anand Kumar, Anantapur				P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
27	1027	Anand Kumar, Anantapur				P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
28	1028	Anand Kumar, Anantapur				P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
29	1029	Anand Kumar, Anantapur				P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
30	1030	Anand Kumar, Anantapur				P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
Total of students present			1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Total of students absent			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0



VAAAGDEVI
COLLEGES



Subject Wise Attendance		Date												Vidya												
Sl. No.	Name	Roll No.	Date												Vidya											
			1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12
1	101	101																								
2	102	102																								
3	103	103																								
4	104	104																								
5	105	105																								
6	106	106																								
7	107	107																								
8	108	108																								
9	109	109																								
10	110	110																								
11	111	111																								
12	112	112																								
13	113	113																								
14	114	114																								
15	115	115																								
16	116	116																								
17	117	117																								
18	118	118																								
19	119	119																								
20	120	120																								
21	121	121																								
22	122	122																								
23	123	123																								
24	124	124																								
25	125	125																								
26	126	126																								
27	127	127																								
28	128	128																								
29	129	129																								
30	130	130																								
31	131	131				</																				

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100

[illegible]

[illegible]

23	24	25	26	27	28	29	30	31	32
1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100
101	102	103	104	105	106	107	108	109	110
111	112	113	114	115	116	117	118	119	120
121	122	123	124	125	126	127	128	129	130
131	132	133	134	135	136	137	138	139	140
141	142	143	144	145	146	147	148	149	150
151	152	153	154	155	156	157	158	159	160
161	162	163	164	165	166	167	168	169	170
171	172	173	174	175	176	177	178	179	180
181	182	183	184	185	186	187	188	189	190
191	192	193	194	195	196	197	198	199	200
201	202	203	204	205	206	207	208	209	210
211	212	213	214	215	216	217	218	219	220
221	222	223	224	225	226	227	228	229	230
231	232	233	234	235	236	237	238	239	240
241	242	243	244	245	246	247	248	249	250
251	252	253	254	255	256	257	258	259	260
261	262	263	264	265	266	267	268	269	270
271	272	273	274	275	276	277	278	279	280
281	282	283	284	285	286	287	288	289	290
291	292	293	294	295	296	297	298	299	300
301	302	303	304	305	306	307	308	309	310
311	312	313	314	315	316	317	318	319	320
321	322	323	324	325	326	327	328	329	330
331	332	333	334	335	336	337	338	339	340
341	342	343	344	345	346	347	348	349	350
351	352	353	354	355	356	357	358	359	360
361	362	363	364	365	366	367	368	369	370
371	372	373	374	375	376	377	378	379	380
381	382	383	384	385	386	387	388	389	390
391	392	393	394	395	396	397	398	399	400
401	402	403	404	405	406	407	408	409	410
411	412	413	414	415	416	417	418	419	420
421	422	423	424	425	426	427	428	429	430
431	432	433	434	435	436	437	438	439	440
441	442	443	444	445	446	447	448	449	450
451	452	453	454	455	456	457	458	459	460
461	462	463	464	465	466	467	468	469	470
471	472	473	474	475	476	477	478	479	480
481	482	483	484	485	486	487	488	489	490
491	492	493	494	495	496	497	498	499	500
501	502	503	504	505	506	507	508	509	510
511	512	513	514	515	516	517	518	519	520
521	522	523	524	525	526	527	528	529	530
531	532	533	534	535	536	537	538	539	540
541	542	543	544	545	546	547	548	549	550
551	552	553	554	555	556	557	558	559	560
561	562	563	564	565	566	567	568	569	570
571	572	573	574	575	576	577	578	579	580
581	582	583	584	585	586	587	588	589	590
591	592	593	594	595	596	597	598	599	600
601	602	603	604	605	606	607	608	609	610
611	612	613	614	615	616	617	618	619	620
621	622	623	624	625	626	627	628	629	630
631	632	633	634	635	636	637	638	639	640
641	642	643	644	645	646	647	648	649	650
651	652	653	654	655	656	657	658	659	660
661	662	663	664	665	666	667	668	669	670
671	672	673	674	675	676	677	678	679	680
681	682	683	684	685	686	687	688	689	690
691	692	693	694	695	696	697	698	699	700
701	702	703	704	705	706	707	708	709	710
711	712	713	714	715	716	717	718	719	720
721	722	723	724	725	726	727	728	729	730
731	732	733	734	735	736	737	738	739	740
741	742	743	744	745	746	747	748	749	750
751	752	753	754	755	756	757	758	759	760
761	762	763	764	765	766	767	768	769	770
771	772	773	774	775	776	777	778	779	780
781	782	783	784	785	786	787	788	789	790
791	792	793	794	795	796	797	798	799	800
801	802	803	804	805	806	807	808	809	810
811	812	813	814	815	816	817	818	819	820
821	822	823	824	825	826	827	828	829	830
831	832	833	834	835	836	837	838	839	840
841	842	843	844	845	846	847	848	849	850
851	852	853	854	855	856	857	858	859	860
861	862	863	864	865	866	867	868	869	870
871	872	873	874	875	876	877	878	879	880
881	882	883	884	885	886	887	888	889	890
891	892	893	894	895	896	897	898	899	900
901	902	903	904	905	906	907	908	909	910
911	912	913	914	915	916	917	918	919	920
921	922	923	924	925	926	927	928	929	930
931	932	933	934	935	936	937	938	939	940
941	942	943	944	945	946	947	948	949	950
951	952	953	954	955	956	957	958	959	960
961	962	963	964	965	966	967	968	969	970
971	972	973	974	975	976	977	978	979	980
981	982	983	984	985	986	987	988	989	990
991	992	993	994	995	996	997	998	999	1000
1001	1002	1003	1004	1005	1006	1007	1008	1009	1010
1011	1012	1013	1014	1015	1016	1017	1018	1019	1020
1021	1022	1023	1024	1025	1026	1027	1028	1029	1030
1031	1032	1033	1034	1035	1036	1037	1038	1039	1040
1041	1042	1043	1044	1045	1046	1047	1048	1049	1050
1051	1052	1053	1054	1055	1056	1057	1058	1059	1060
1061	1062	1063	1064	1065	1066	1067	1068	1069	1070
1071	1072	1073	1074	1075	1076	1077	1078	1079	1080
1081	1082	1083	1084	1085	1086	1087	1088	1089	1090
1091	1092	1093	1094	1095	1096	1097	1098	1099	1100
1101	1102	1103	1104	1105	1106	1107	1108	1109	1110
1111	1112	1113	1114	1115	1116	1117	1118	1119	1120
1121	1122	1123	1124	1125	1126	1127	1128	1129	1130
1131	1132	1133	1134	1135	1136	1137	1138	1139	1140
1141	1142	1143	1144	1145	1146	1147	1148	1149	1150
1151	1152	1153	1154	1155	1156	1157	1158	1159	1160
1161	1162	1163	1164	1165	1166	1167	1168	1169	1170
1171	1172	1173	1174	1175	1176	1177	1178	1179	1180
1181	1182	1183	1184	1185	1186	1187	1188	1189	1190
1191	1192	1193	1194	1195	1196	1197	1198	1199	1200
1201	1202	1203	1204	1205	1206	1207	1208	1209	1210
1211	1212	1213	1214	1215	1216	1217	1218	1219	1220
1221	1222	1223	1224	1225	1226	1227	1228	1229	1230
1231	1232	1233	1234	1235	1236	1237	1238	1239	1240
1241	1242	1243	1244	1245	1246	1247	1248	1249	1250
1251	1252	1253	1254	1255	1256	1257	1258	1259	1260
1261	1262	1263	1264	1265	1266	1267	1268	1269	1270
1271	1272	1273	1274	1275	1276	1277	1278	1279	1280
1281	1282	1283	1284	1285	1286	1287	1288	1289	1290
1291	1292	1293	1294	1295	1296	1297	1298	1299	1300
1301	1302	1303	1304	1305	1306	1307	1308	1309	1310
1311	1312	1313	1314	1315	1316	1317	1318	1319	1320
1321	1322	1323	1324	1325	1326	1327	1328	1329	1330
1331	1332	1333	1334	1335	1336	1337	1338	1339	1340
1341	1342	1343	1344	1345	1346	1347	1348	1349	1350
1351	1352	1353	1354	1355	1356	1357	1358	1359	1360
1361	1362	1363	1364	1365	1366	1367	1368	1369	1370
1371	1372	1373	1374	1375	1376	1377	1378	1379	1380
1381	1382	1383	1384	1385	1386	1387	1388	1389	1390
1391	1392	1393	1394	1395	1396	1397	1398	1399	1400
1401	1402	1403	1404	1405	1406	1407	1408	1409	1410
1411	1412	1413	1414	1415	1416	1417	1418	1419	1420
1421	1422	1423	1424	1425	1426	1427			

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Subject Wise Attendance

Class: B.Tech. CSE Year: 2021-22

			Month												Total											
Sl. No.	Roll No.	Name of the Student	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
			Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	101	U. Suresh	A	A	A	A	A	A	A	A	A	A	A	A	12	12	12	12	12	12	12	12	12	12	12	
2	102	S. Suresh	A	A	A	A	A	A	A	A	A	A	A	A	12	12	12	12	12	12	12	12	12	12	12	
3	103	S. Suresh	A	A	A	A	A	A	A	A	A	A	A	A	12	12	12	12	12	12	12	12	12	12	12	
4	104	S. Suresh	A	A	A	A	A	A	A	A	A	A	A	A	12	12	12	12	12	12	12	12	12	12	12	
5	105	S. Suresh	A	A	A	A	A	A	A	A	A	A	A	A	12	12	12	12	12	12	12	12	12	12	12	
6	106	S. Suresh	A	A	A	A	A	A	A	A	A	A	A	A	12	12	12	12	12	12	12	12	12	12	12	
7	107	S. Suresh	A	A	A	A	A	A	A	A	A	A	A	A	12	12	12	12	12	12	12	12	12	12	12	
8	108	S. Suresh	A	A	A	A	A	A	A	A	A	A	A	A	12	12	12	12	12	12	12	12	12	12	12	
9	109	S. Suresh	A	A	A	A	A	A	A	A	A	A	A	A	12	12	12	12	12	12	12	12	12	12	12	
10	110	S. Suresh	A	A	A	A	A	A	A	A	A	A	A	A	12	12	12	12	12	12	12	12	12	12	12	
11	111	S. Suresh	A	A	A	A	A	A	A	A	A	A	A	A	12	12	12	12	12	12	12	12	12	12	12	
12	112	S. Suresh	A	A	A	A	A	A	A	A	A	A	A	A	12	12	12	12	12	12	12	12	12	12	12	
13	113	S. Suresh	A	A	A	A	A	A	A	A	A	A	A	A	12	12	12	12	12	12	12	12	12	12	12	
14	114	S. Suresh	A	A	A	A	A	A	A	A	A	A	A	A	12	12	12	12	12	12	12	12	12	12	12	
15	115	S. Suresh	A	A	A	A	A	A	A	A	A	A	A	A	12	12	12	12	12	12	12	12	12	12	12	
16	116	S. Suresh	A	A	A	A	A	A	A	A	A	A	A	A	12	12	12	12	12	12	12	12	12	12	12	
17	117	S. Suresh	A	A	A	A	A	A	A	A	A	A	A	A	12	12	12	12	12	12	12	12	12	12	12	
18	118	S. Suresh	A	A	A	A	A	A	A	A	A	A	A	A	12	12	12	12	12	12	12	12	12	12	12	
19	119	S. Suresh	A	A	A	A	A	A	A	A	A	A	A	A	12	12	12	12	12	12	12	12	12	12	12	
20	120	S. Suresh	A	A	A	A	A	A	A	A	A	A	A	A	12	12	12	12	12	12	12	12	12	12	12	

MADE BY: JHON

101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120
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For all subject marks see

Subject Wise Marks Sheet

For all subject marks see



VAAGDEVI
COLLEGE



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VAAGDEVI
COLLEGE

Subject Wise Attendance

Class: BSc 2nd SEM. Year: 2021-22

Sl. No.	Name of the Student	Date	Month: Jan												Month: Feb															
			1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12				
1	Prachi	10/1/22	A	A	T	T	T	T	T	T	T	T	T	T	A	A	T	T	T	T	T	T	T	T	T	T	T	T	T	T
2	Prachi	10/1/22	A	A	T	T	T	T	T	T	T	T	T	T	A	A	T	T	T	T	T	T	T	T	T	T	T	T	T	T
3	Prachi	10/1/22	A	A	T	T	T	T	T	T	T	T	T	T	A	A	T	T	T	T	T	T	T	T	T	T	T	T	T	T
4	Prachi	10/1/22	A	A	T	T	T	T	T	T	T	T	T	T	A	A	T	T	T	T	T	T	T	T	T	T	T	T	T	T
5	Prachi	10/1/22	A	A	T	T	T	T	T	T	T	T	T	T	A	A	T	T	T	T	T	T	T	T	T	T	T	T	T	T
6	Prachi	10/1/22	A	A	T	T	T	T	T	T	T	T	T	T	A	A	T	T	T	T	T	T	T	T	T	T	T	T	T	T
7	Prachi	10/1/22	A	A	T	T	T	T	T	T	T	T	T	T	A	A	T	T	T	T	T	T	T	T	T	T	T	T	T	T

Total no. Students registered: 7

Total no. Students Enrolled: 7

Prachi, Prachi, Prachi, Prachi, Prachi, Prachi, Prachi

Prachi, Prachi, Prachi, Prachi, Prachi, Prachi, Prachi

Total of Students: 100
Total of the Subject: 100

Signature of the Teacher: [Signature]
Signature of the Student: [Signature]



VAAAGDEVI
COLLEGES



Scanned with OKEN Scanner

Subject Wise Attendance

Roll No. Name of the Student

1. 1001 Ananth Chakraborty
2. 1002 Anant Chakraborty
3. 1003 Anant Chakraborty
4. 1004 Anant Chakraborty
5. 1005 Anant Chakraborty
6. 1006 Anant Chakraborty
7. 1007 Anant Chakraborty
8. 1008 Anant Chakraborty
9. 1009 Anant Chakraborty
10. 1010 Anant Chakraborty
11. 1011 Anant Chakraborty
12. 1012 Anant Chakraborty
13. 1013 Anant Chakraborty
14. 1014 Anant Chakraborty
15. 1015 Anant Chakraborty
16. 1016 Anant Chakraborty
17. 1017 Anant Chakraborty
18. 1018 Anant Chakraborty
19. 1019 Anant Chakraborty
20. 1020 Anant Chakraborty
21. 1021 Anant Chakraborty
22. 1022 Anant Chakraborty
23. 1023 Anant Chakraborty
24. 1024 Anant Chakraborty
25. 1025 Anant Chakraborty
26. 1026 Anant Chakraborty
27. 1027 Anant Chakraborty
28. 1028 Anant Chakraborty
29. 1029 Anant Chakraborty
30. 1030 Anant Chakraborty

Total No. of Students: 30
 Date: / /

Roll No. Name of the Student

1. 1031 Anant Chakraborty
2. 1032 Anant Chakraborty
3. 1033 Anant Chakraborty
4. 1034 Anant Chakraborty
5. 1035 Anant Chakraborty
6. 1036 Anant Chakraborty
7. 1037 Anant Chakraborty
8. 1038 Anant Chakraborty
9. 1039 Anant Chakraborty
10. 1040 Anant Chakraborty
11. 1041 Anant Chakraborty
12. 1042 Anant Chakraborty
13. 1043 Anant Chakraborty
14. 1044 Anant Chakraborty
15. 1045 Anant Chakraborty
16. 1046 Anant Chakraborty
17. 1047 Anant Chakraborty
18. 1048 Anant Chakraborty
19. 1049 Anant Chakraborty
20. 1050 Anant Chakraborty
21. 1051 Anant Chakraborty
22. 1052 Anant Chakraborty
23. 1053 Anant Chakraborty
24. 1054 Anant Chakraborty
25. 1055 Anant Chakraborty
26. 1056 Anant Chakraborty
27. 1057 Anant Chakraborty
28. 1058 Anant Chakraborty
29. 1059 Anant Chakraborty
30. 1060 Anant Chakraborty

Total No. of Students: 30
 Date: / /

Roll No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
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30																														

Subject-Wise Attendance

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Subject Wise Attendance

Sl. No.	Name of the Student	Date												Total
		1	2	3	4	5	6	7	8	9	10	11	12	
1	1001 Michelle Arund	P	P	P	P	P	P	P	P	P	P	P	P	12
2	1002 Michelle Arund	P	P	P	P	P	P	P	P	P	P	P	P	12
3	1003 Telli Karthik	P	P	P	P	P	P	P	P	P	P	P	P	12
4	1004 Sree Varada	P	P	P	P	P	P	P	P	P	P	P	P	12
5	1005 Adil Arjun Khon	P	P	P	P	P	P	P	P	P	P	P	P	12
6	1006 Adil Arjun Khon	P	P	P	P	P	P	P	P	P	P	P	P	12
7	1007 Chingula Arjun	P	P	P	P	P	P	P	P	P	P	P	P	12
8	1008 Chingula Arjun	P	P	P	P	P	P	P	P	P	P	P	P	12
9	1009 Chingula Arjun	P	P	P	P	P	P	P	P	P	P	P	P	12
10	1010 Chingula Arjun	P	P	P	P	P	P	P	P	P	P	P	P	12
11	1011 Chingula Arjun	P	P	P	P	P	P	P	P	P	P	P	P	12
12	1012 Chingula Arjun	P	P	P	P	P	P	P	P	P	P	P	P	12
13	1013 Chingula Arjun	P	P	P	P	P	P	P	P	P	P	P	P	12
14	1014 Chingula Arjun	P	P	P	P	P	P	P	P	P	P	P	P	12
15	1015 Chingula Arjun	P	P	P	P	P	P	P	P	P	P	P	P	12
16	1016 Chingula Arjun	P	P	P	P	P	P	P	P	P	P	P	P	12
17	1017 Chingula Arjun	P	P	P	P	P	P	P	P	P	P	P	P	12
18	1018 Chingula Arjun	P	P	P	P	P	P	P	P	P	P	P	P	12
19	1019 Chingula Arjun	P	P	P	P	P	P	P	P	P	P	P	P	12
20	1020 Chingula Arjun	P	P	P	P	P	P	P	P	P	P	P	P	12
21	1021 Chingula Arjun	P	P	P	P	P	P	P	P	P	P	P	P	12
22	1022 Chingula Arjun	P	P	P	P	P	P	P	P	P	P	P	P	12
23	1023 Chingula Arjun	P	P	P	P	P	P	P	P	P	P	P	P	12
24	1024 Chingula Arjun	P	P	P	P	P	P	P	P	P	P	P	P	12
25	1025 Chingula Arjun	P	P	P	P	P	P	P	P	P	P	P	P	12
26	1026 Chingula Arjun	P	P	P	P	P	P	P	P	P	P	P	P	12
27	1027 Chingula Arjun	P	P	P	P	P	P	P	P	P	P	P	P	12
28	1028 Chingula Arjun	P	P	P	P	P	P	P	P	P	P	P	P	12
29	1029 Chingula Arjun	P	P	P	P	P	P	P	P	P	P	P	P	12
30	1030 Chingula Arjun	P	P	P	P	P	P	P	P	P	P	P	P	12



VAAAGDEVI
COLLEGES



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Mon. 8/16 - Sun. 8/21

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