

DEPARTMENT OF BOTANY

Govt. Pt. Madhav Rao Sapre College, Pendra Road, Dist.- Gaurella- Pendra- Marwahi (C.G.)

Lesson Plan (Session 2022-23)

B. Sc. Part – I

Subject: Botany

Name of Teacher: TILSHWER PRASAD CHANDRA

Paper - I: Bacteria, Viruses, Fungi, Lichens and Algae

Paper - II: Bryophytes, Pteridophytes, Gymnosperms and Palaeobotany

Week	Day	Date	Paper	Unit	Topic
	Friday	01-07-2022			Admission Process
	Saturday	02-07-2022			Admission Process
	Sunday	03-07-2022	Holiday		
Week 1	Monday	04-07-2022			Admission Process
	Tuesday	05-07-2022			Admission Process
	Wednesday	06-07-2022			Admission Process
	Thursday	07-07-2022			Admission Process
	Friday	08-07-2022			Admission Process
	Saturday	09-07-2022			Admission Process
	Sunday	10-07-2022	Holiday		
Week 2	Monday	11-07-2022			Admission Process
	Tuesday	12-07-2022			Admission Process
	Wednesday	13-07-2022			Admission Process
	Thursday	14-07-2022			Admission Process
	Friday	15-07-2022			Admission Process
	Saturday	16-07-2022			Admission Process
	Sunday	17-07-2022	Holiday		
Week 3	Monday	18-07-2022			Admission Process
	Tuesday	19-07-2022			Admission Process
	Wednesday	20-07-2022			Admission Process
	Thursday	21-07-2022			Admission Process
	Friday	22-07-2022			Admission Process
	Saturday	23-07-2022			Admission Process
	Sunday	24-07-2022	Holiday		
Week 4	Monday	25-07-2022			Admission Process
	Tuesday	26-07-2022			Admission Process
	Wednesday	27-07-2022			Admission Process
	Thursday	28-07-2022	Holiday		Hareli Festival
	Friday	29-07-2022			Admission Process
	Saturday	30-07-2022			Admission Process
	Sunday	31-07-2022	Holiday		
Week 5	Monday	01-08-2022			General introduction
	Tuesday	02-08-2022			Introduction of Subject
	Wednesday	03-08-2022			General Discussion on scope of Botany
	Thursday	04-08-2022			How to write a perfect Answer?
	Friday	05-08-2022			How to prepare notes?
	Saturday	06-08-2022			Summarization of Paper 1
	Sunday	07-08-2022	Holiday		
Week 6	Monday	08-08-2022			Summarization of Paper 2
	Tuesday	09-08-2022	Holiday		World Tribal Day / Moharram
	Wednesday	10-08-2022	Paper - I	Unit - I	Viruses: Introduction
	Thursday	11-08-2022	Holiday		Raksha Bandhan
	Friday	12-08-2022	Paper - II	Unit - I	Bryophyta: General Characteristics
	Saturday	13-08-2022	Paper - II	Unit - I	Bryophyta: Affinities
	Sunday	14-08-2022	Holiday		
Week 7	Monday	15-08-2022	Holiday		Independence Day
	Tuesday	16-08-2022	Paper - I	Unit - I	Viruses: History
	Wednesday	17-08-2022	Paper - I	Unit - I	Viruses: General Characteristics
	Thursday	18-08-2022	Paper - II	Unit - I	Bryophyta: Range of Thallus organization
	Friday	19-08-2022	Holiday		Krishna Janmashtami
	Saturday	20-08-2022	Paper - II	Unit - I	Bryophyta: Range of Thallus organization
	Sunday	21-08-2022	Holiday		
Week 8	Monday	22-08-2022	Paper - I	Unit - I	Viruses: Types based on Structure and Genetic Material
	Tuesday	23-08-2022	Paper - I	Unit - I	Viruses: Multiplication, Lytic and Lysogenic Cycle
	Wednesday	24-08-2022	Paper - I	Unit - I	Viruses: Economic Importance,
	Thursday	25-08-2022	Paper - II	Unit - I	Bryophyta: General Classification

	Friday	26-08-2022	Paper - II	Unit - I	Bryophyta: General Classification
	Saturday	27-08-2022	Paper - II	Unit - I	Bryophyta: Economic Importance
	Sunday	28-08-2022	Holiday		
Week 9	Monday	29-08-2022	Paper - I	Unit - I	Bacteriophage: Structure and Multiplication
	Tuesday	30-08-2022	Holiday		Hartalika Teej
	Wednesday	31-08-2022	Paper - I	Unit - I	General account of Viroids, Virusoids, Prions, Cyanophages
	Thursday	01-09-2022	Paper - II	Unit - I	Bryophyta: Ecological Importance
	Friday	02-09-2022	Paper - II	Unit - I	<i>Riccia</i> - General Account, Morphology & Anatomy
	Saturday	03-09-2022	Paper - II	Unit - I	Bryophyta: <i>Riccia</i> - Reproductive Structure
	Sunday	04-09-2022	Holiday		
Week 10	Monday	05-09-2022	Paper - I	Unit - I	Viruses: General Discussion / Question - Answer
	Tuesday	06-09-2022	Paper - I	Unit - I	Mycorrhiza: Types and Significance
	Wednesday	07-09-2022	Paper - I	Unit - I	Invited Expert Lecture on Viruses
	Thursday	08-09-2022	Paper - II	Unit - I	<i>Marchantia</i> - General Account, Morphology & Anatomy
	Friday	09-09-2022	Paper - II	Unit - I	Bryophyta: <i>Marchantia</i> - Reproductive Structure
	Saturday	10-09-2022	Paper - II	Unit - I	Bryophyta: <i>Marchantia</i> - Reproductive Structure
	Sunday	11-09-2022	Holiday		
Week 11	Monday	12-09-2022	Paper - I	Unit - I	Quiz - I by Google quiz / Unit Test - I
	Tuesday	13-09-2022	Paper - I	Unit - II	Bacteria: Fine structure of bacterial Cell
	Wednesday	14-09-2022	Paper - I	Unit - II	Bacteria: General Characteristics and Classification
	Thursday	15-09-2022	Paper - II	Unit - I	Bryophyta: <i>Pellia</i> - General Account, Morphology & Anatomy
	Friday	16-09-2022	Paper - II	Unit - I	Bryophyta: <i>Pellia</i> - Reproductive Structure
	Saturday	17-09-2022	Paper - II	Unit - I	<i>Anthoceros</i> - General Account, Morphology & Anatomy
	Sunday	18-09-2022	Holiday		
Week 12	Monday	19-09-2022	Paper - I	Unit - II	Bacteria: Gram Positive and Gram-Negative Bacteria
	Tuesday	20-09-2022	Paper - I	Unit - II	Bacteria: Mode of Nutrition and Vegetative Reproduction
	Wednesday	21-09-2022	Paper - I	Unit - II	Bacteria: Asexual and recombination - Conjugation
	Thursday	22-09-2022	Paper - II	Unit - I	Bryophyta: <i>Anthoceros</i> - Reproductive Structure
	Friday	23-09-2022	Paper - II	Unit - I	Bryophyta: <i>Anthoceros</i> - Reproductive Structure
	Saturday	24-09-2022	Paper - II	Unit - I	<i>Funaria</i> - General Account, Morphology & Anatomy
	Sunday	25-09-2022	Holiday		
Week 13	Monday	26-09-2022	Paper - I	Unit - II	Bacteria: Recombination - Transformation
	Tuesday	27-09-2022	Paper - I	Unit - II	Bacteria: Question -answer with Discussion
	Wednesday	28-09-2022	Paper - I	Unit - II	Bacteria: Recombination - Transduction
	Thursday	29-09-2022	Paper - II	Unit - I	Bryophyta: <i>Funaria</i> - Reproductive Structure
	Friday	30-09-2022	Paper - II	Unit - I	Bryophyta: <i>Funaria</i> - Reproductive Structure
	Saturday	01-10-2022	Paper - II	Unit - I	Bryophyta: Vegetative Reproduction
	Sunday	02-10-2022	Holiday		
Week 14	Monday	03-10-2022	Holiday		Dussehra
	Tuesday	04-10-2022	Holiday		Dussehra
	Wednesday	05-10-2022	Holiday		Dussehra
	Thursday	06-10-2022	Paper - II	Unit - I	Bryophyta: Evolution of Sporophyte
	Friday	07-10-2022	Paper - II	Unit - I	Unit Test - I / Quiz -I
	Saturday	08-10-2022	Paper - II	Unit - II	Pteridophytes: General Characteristics and affinities
	Sunday	09-10-2022	Holiday		
Week 15	Monday	10-10-2022	Paper - I	Unit - II	Bacteria: Economic Importance
	Tuesday	11-10-2022	Paper - I	Unit - II	Microbial Biotechnology, Rhizobium
	Wednesday	12-10-2022	Paper - I	Unit - II	Azotobacter and Anabaena
	Thursday	13-10-2022	Paper - II	Unit - II	Pteridophytes: Economic Importance
	Friday	14-10-2022	Paper - II	Unit - II	Pteridophytes: Classification
	Saturday	15-10-2022	Paper - II	Unit - II	Pteridophytes: Heterospory and Seed Habit
	Sunday	16-10-2022	Holiday		
Week 16	Monday	17-10-2022	Paper - I	Unit - II	Invited Expert Lecture on Bacteria
	Tuesday	18-10-2022	Paper - I	Unit - II	Quiz - II by Google quiz / Unit Test - II
	Wednesday	19-10-2022	Paper - I	Unit - III	Fungi: General Account of Habit and Habitat
	Thursday	20-10-2022	Paper - II	Unit - II	Pteridophytes: Stellar System
	Friday	21-10-2022	Paper - II	Unit - II	Pteridophytes: Telome Theory
	Saturday	22-10-2022	Paper - II	Unit - III	<i>Psilotum</i> : General Account, Morphology and Anatomy
	Sunday	23-10-2022	Holiday		
Week 17	Monday	24-10-2022	Holiday		Diwali
	Tuesday	25-10-2022	Holiday		Diwali
	Wednesday	26-10-2022	Holiday		Diwali
	Thursday	27-10-2022	Paper - II	Unit - III	<i>Psilotum</i> : Reproductive Structure
	Friday	28-10-2022	Paper - II	Unit - III	<i>Lycopodium</i> : General Account and Morphology
	Saturday	29-10-2022	Paper - II	Unit - III	<i>Lycopodium</i> : Anatomy
	Sunday	30-10-2022	Holiday		

Week 18	Monday	31-10-2022	Paper - I	Unit - III	Fungi: Structure (Range of Thallus Organization)
	Tuesday	01-11-2022	Paper - I	Unit - III	Fungi: Cell Wall Composition
	Wednesday	02-11-2022	Paper - I	Unit - III	Fungi: Nutrition
	Thursday	03-11-2022	Paper - II	Unit - II	Pteridophytes: <i>Azolla</i> as Biofertilizer
	Friday	04-11-2022	Paper - II	Unit - II	Invited Expert Lecture on Pteridophytes
	Saturday	05-11-2022	Paper - II	Unit - II	Unit Test - II / Quiz -II
	Sunday	06-11-2022	Holiday		
Week 19	Monday	07-11-2022	Paper - I	Unit - III	Fungi: Reproduction
	Tuesday	08-11-2022	Paper - I	Unit - III	Fungi: Heterothallism and Parasexuality
	Wednesday	09-11-2022	Paper - I	Unit - III	Fungi: Classification (Outline)
	Thursday	10-11-2022	Paper - II	Unit - III	<i>Lycopodium</i> : Reproductive Structure
	Friday	11-11-2022	Paper - II	Unit - III	<i>Selaginella</i> : General Account and Morphology
	Saturday	12-11-2022	Paper - II	Unit - III	<i>Selaginella</i> : Anatomy
	Sunday	13-11-2022	Holiday		
Week 20	Monday	14-11-2022	Paper - I	Unit - III	Fungi: Classification (Outline)
	Tuesday	15-11-2022	Paper - I	Unit - III	Fungi: Economic Importance
	Wednesday	16-11-2022	Paper - I	Unit - III	Fungi: Question - Answer Competition
	Thursday	17-11-2022	Paper - II	Unit - III	<i>Selaginella</i> : Reproductive Structure
	Friday	18-11-2022	Paper - II	Unit - III	<i>Equisetum</i> : General Account and Morphology
	Saturday	19-11-2022	Paper - II	Unit - III	<i>Equisetum</i> : Anatomy
	Sunday	20-11-2022	Holiday		
Week 21	Monday	21-11-2022	Paper - I	Unit - III	Fungi: Life Cycle of <i>Saprolegnia</i> (PPT Presentation)
	Tuesday	22-11-2022	Paper - I	Unit - III	Fungi: Life Cycle of <i>Albugo</i> (PPT Presentation)
	Wednesday	23-11-2022	Paper - I	Unit - III	Fungi: Life Cycle of <i>Aspergillus</i> (PPT Presentation)
	Thursday	24-11-2022	Paper - II	Unit - III	<i>Equisetum</i> : Reproductive Structure
	Friday	25-11-2022	Paper - II	Unit - III	<i>Marsilea</i> : General Account and Morphology
	Saturday	26-11-2022	Paper - II	Unit - III	<i>Marsilea</i> : Anatomy
	Sunday	27-11-2022	Holiday		
Week 22	Monday	28-11-2022	Paper - I	Unit - III	Fungi: Life Cycle of <i>Peziza</i> (PPT Presentation)
	Tuesday	29-11-2022	Paper - I	Unit - III	Fungi: Life Cycle of <i>Agaricus</i> (PPT Presentation)
	Wednesday	30-11-2022	Paper - I	Unit - III	Fungi: Life Cycle of <i>Ustilago</i> (PPT Presentation)
	Thursday	01-12-2022	Paper - II	Unit - III	<i>Marsilea</i> : Reproductive Structure
	Friday	02-12-2022	Paper - II	Unit - III	Quiz-III / Unit Test - III
	Saturday	03-12-2022	Paper - II	Unit - IV	Gymnosperm: General Characteristics and Affinities
	Sunday	04-12-2022	Holiday		
Week 23	Monday	05-12-2022	Paper - I	Unit - III	Fungi: Life Cycle of <i>Puccinia</i> (PPT Presentation)
	Tuesday	06-12-2022	Paper - I	Unit - III	Fungi: Life Cycle of <i>Alternaria</i> and <i>Cercospora</i>
	Wednesday	07-12-2022	Paper - I	Unit - III	Fungi: VAM Fungi
	Thursday	08-12-2022	Paper - II	Unit - IV	Gymnosperm: Economic Importance
	Friday	09-12-2022	Paper - II	Unit - IV	Gymnosperm: Classification
	Saturday	10-12-2022	Paper - II	Unit - IV	Gymnosperm: <i>Cycas</i> - Morphology and Anatomy
	Sunday	11-12-2022	Holiday		
Week 24	Monday	12-12-2022	Paper - I	Unit - III	Unit Test - III / Quiz -III
	Tuesday	13-12-2022	Paper - I	Unit - IV	Algae: General Characters and Cell Structure
	Wednesday	14-12-2022	Paper - I	Unit - IV	Algae: Range of Thallus Organization
	Thursday	15-12-2022	Paper - II	Unit - IV	Gymnosperm: <i>Cycas</i> - Reproduction- Male Gametophyte
	Friday	16-12-2022	Paper - II	Unit - IV	Gymnosperm: <i>Cycas</i> - Reproduction- Female Gametophyte
	Saturday	17-12-2022	Paper - II	Unit - IV	Gymnosperm: <i>Cycas</i> - Reproduction- Fertilization
	Sunday	18-12-2022	Holiday		
Week 25	Monday	19-12-2022	Paper - I	Unit - IV	Algae: Gaidukov phenomenon
	Tuesday	20-12-2022	Paper - I	Unit - IV	Algae: Reproduction
	Wednesday	21-12-2022	Paper - I	Unit - IV	Algae: Life Cycle Patterns
	Thursday	22-12-2022	Paper - II	Unit - IV	Gymnosperm: <i>Pinus</i> - Morphology and Anatomy
	Friday	23-12-2022	Paper - II	Unit - IV	Gymnosperm: <i>Pinus</i> - Reproduction- Male Gametophyte
	Saturday	24-12-2022	Holiday	Holiday	Winter Vacation
	Sunday	25-12-2022	Holiday	Holiday	Winter Vacation
Week 26	Monday	26-12-2022	Holiday	Holiday	Winter Vacation
	Tuesday	27-12-2022	Paper - I	Unit - IV	Algae: Economic Importance
	Wednesday	28-12-2022	Paper - I	Unit - IV	Algae: Field Visit
	Thursday	29-12-2022	Paper - II	Unit - IV	Gymnosperm: <i>Pinus</i> - Reproduction- Female Gametophyte
	Friday	30-12-2022	Paper - II	Unit - IV	Gymnosperm: <i>Pinus</i> - Reproduction- Fertilization
	Saturday	31-12-2022	Paper - II	Unit - IV	Gymnosperm: <i>Ephedra</i> - Morphology and Anatomy
	Sunday	01-01-2023	Holiday		
Week 27	Monday	02-01-2023	Paper - I	Unit - IV	Algae: Classification (Outlines)
	Tuesday	03-01-2023	Paper - I	Unit - IV	Algae: General account and Life Cycle of <i>Nostoc</i>
	Wednesday	04-01-2023	Paper - I	Unit - IV	Algae: General account and Life Cycle of <i>Gloeocapsa</i>

	Thursday	05-01-2023	Paper - II	Unit - IV	Gymnosperm: <i>Ephedra</i> - Reproduction- Male Gametophyte
	Friday	06-01-2023	Paper - II	Unit - IV	Gymnosperm: <i>Ephedra</i> - Reproduction- Female Gametophyte
	Saturday	07-01-2023	Paper - II	Unit - IV	Gymnosperm: <i>Ephedra</i> - Reproduction- Fertilization
	Sunday	08-01-2023	Holiday		
Week 28	Monday	09-01-2023			One Day Botanical Excursion Tour
	Tuesday	10-01-2023	Paper - I	Unit - IV	Algae: General account of <i>Volvox</i>
	Wednesday	11-01-2023	Paper - I	Unit - IV	Algae: Life Cycle of <i>Volvox</i>
	Thursday	12-01-2023	Paper - II	Unit - IV	Unit Test - IV / Quiz -IV
	Friday	13-01-2023	Paper - II	Unit - IV	Question - Answer
	Saturday	14-01-2023	Paper - II	Unit - V	Palaeobotany: Geological Time Scale
	Sunday	15-01-2023	Holiday		
Week 29	Monday	16-01-2023	Paper - I	Unit - IV	Algae: General account of <i>Oedogonium</i>
	Tuesday	17-01-2023	Paper - I	Unit - IV	Algae: Life Cycle of <i>Oedogonium</i>
	Wednesday	18-01-2023	Paper - I	Unit - IV	Algae: General account of <i>Vaucheria</i>
	Thursday	19-01-2023	Paper - II	Unit - V	Palaeobotany: Types of Fossil
	Friday	20-01-2023	Paper - II	Unit - V	Palaeobotany: Fossilization
	Saturday	21-01-2023	Paper - II	Unit - V	Palaeobotany: <i>Rhynia</i>
	Sunday	22-01-2023	Holiday		
Week 30	Monday	23-01-2023	Paper - I	Unit - IV	Algae: Life Cycle of <i>Vaucheria</i>
	Tuesday	24-01-2023	Paper - I	Unit - IV	Algae: General account of <i>Chara</i>
	Wednesday	25-01-2023	Paper - I	Unit - IV	Algae: Life Cycle of <i>Chara</i>
	Thursday	26-01-2023	Holiday		Republic Day
	Friday	27-01-2023	Paper - II	Unit - V	Palaeobotany: Fossil Gymnosperms
	Saturday	28-01-2023	Paper - II	Unit - V	Palaeobotany: Fossil Gymnosperms - <i>Lygenopteris</i>
	Sunday	29-01-2023	Holiday		
Week 31	Monday	30-01-2023	Paper - I	Unit - IV	Algae: General account of <i>Ectocarpus</i>
	Tuesday	31-01-2023	Paper - I	Unit - IV	Algae: Life Cycle of <i>Ectocarpus</i>
	Wednesday	01-02-2023	Paper - I	Unit - IV	Algae: Life Cycle of <i>Polysiphonia</i>
	Thursday	02-02-2023	Paper - II	Unit - V	Unit Test - V / Quiz -V
	Friday	03-02-2023	Paper - I	Unit - IV	Algae: Life Cycle of <i>Polysiphonia</i>
	Saturday	04-02-2023	Paper - I	Unit - IV	Algae: Test - IV/ Quiz - IV
	Sunday	05-02-2023	Holiday		
Week 32	Monday	06-02-2023	Paper - I	Unit - V	Lichen: General Account, Types and Structure
	Tuesday	07-02-2023	Paper - I	Unit - V	Lichen: Nutrition and reproduction
	Wednesday	08-02-2023	Paper - I	Unit - V	Lichen: Economic Importance
	Thursday	09-02-2023	Paper - I	Unit - V	Mycoplasma: Structure and Importance
	Friday	10-02-2023	Paper - I	Unit - V	Blue Green Algae: in Nitrogen economy of soil
	Saturday	11-02-2023	Paper - I	Unit - V	Blue Green Algae: reclamation of Ushar land
	Sunday	12-02-2023	Holiday		
Week 33	Monday	13-02-2023	Paper - I	Unit - V	Mushroom Biotechnology
	Tuesday	14-02-2023	Paper - I	Unit - V	Mushroom Biotechnology
	Wednesday	15-02-2023	Paper - I	Unit - V	Quiz-V / Unit Test - V
	Thursday	16-02-2023	Paper - II		Revision Class / Problem Discussion
	Friday	17-02-2023	Paper - II		Revision Class / Problem Discussion
	Saturday	18-02-2023	Paper - II		Revision Class / Problem Discussion
	Sunday	19-02-2023	Holiday		Preparation Leave
Week 34	Monday	20-02-2023	Paper - I		Revision Class / Problem Discussion
	Tuesday	21-02-2023	Paper - I		Revision Class / Problem Discussion
	Wednesday	22-02-2023	Paper - I		Revision Class / Problem Discussion
	Thursday	23-02-2023			Preparation Leave
	Friday	24-02-2023			Preparation Leave
	Saturday	25-02-2023			Preparation Leave
	Sunday	26-02-2023	Holiday		Preparation Leave
Week 35	Monday	27-02-2023			Preparation Leave
	Tuesday	28-02-2023			National Science Day Celebration
	Wednesday	01-03-2023			Annual Examination Start

Note: If classes are suspended for any type of activities for example College Annual Function, Internal Examination, Local Holidays declare by Local Administration etc. that classes will conduct in next successive days.

(Tilleshwer Prasad Chandra)
Head,
Department of Botany