Govt. College, Mangali
Session 2026-2027
Lesson Plan

Name of Teacher: Ms. Kumari Sakshi	**Class: B.Sc. Medical 1st Sem**
Subject: Botany (DSC)	**Paper Code: C24BOT101T**
Nomenclature of Paper: Diversity of Microbes & Lower Cryptogams; Cytology	

Week	Duration	TOPIC
1	15- 18 July	Structure, types (gram positive & gram negative) bacteria.
2	20 - 25 July	Reproduction and Economic Importance of bacteria
3	27 - 1 August	Viruses: General account of Virus
4	3 - 8 August	Structure of TMV and Bacteriophage.
5	10-15 August	General characters of algae.
6	17-22 August	Test, Assignment and Doubts.
7	24 - 29 August	Classification up to classes (G.M. Smith, 1955)
8	31 Aug. - 5 Sept.	Economic Importance, and Life Cycle (excluding development) of Nostoc (Cyanophyceae
9	7 - 12 September	Life Cycle (excluding development) Volvox, (Chlorophyceae), Ectocarpus (Phaeophyceae).
10	14 - 19 September	General characters, Classification up to classes (Alexopoulos and Mims, 1979).
11	21 - 26 September	Economic Importance, and Life Cycle (excluding development) of Phytophthora (Mastigomycotina)
12	28 - 3 October	Life Cycle (excluding development) of Penicillium (Ascomycotina), Puccinia (Basidiomycotina). General account of Lichens.
13	5 - 10 October	Cell as a Unit of Life, Prokaryotic and Eukaryotic cells.
14	12 - 17 October	Basic Structure and Function of Eukaryotic Cell Organelles: Cell Wall.
15	19 - 24-October	Plasma Membrane, Nucleus,
16	26 - 31 October	Ribosome, Endoplasmic Reticulum,
17	1 -10 November	Diwali Break
18	11-14November	Chloroplast, Mitochondria and revision of all organelles.
19	16-21 November	Cell Division: Mitosis and Meiosis.
20	23-28November	Doubts, test and assignments discussion.
21	30-04 December	Revision and doubts discussion.
21	07 -12-2026 Onwards	Major Test

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Name of Teacher: Ms. Kumari Sakshi	**Class: B.A. 3rd SEM**
Subject: MDC (Botany)	**Paper Code: C24MDC302T**
Nomenclature of Paper: Plants in everyday life	

Week	Duration	TOPIC
1	8 - 11 July	Introduction to science of Botany, Plant resources in everyday life.
2	13 - 18 July	Plant resources in everyday life
3	20 - 25 July	Role of plants: Air purifier (photosynthesis)
4	27 - 1 August	Plants used in rituals/festivals, Plants used in Pollution control and Phytoremediation
5	3 - 8 August	Pollution indicator (lichens), Nutrient source (litter manure, organic manure),
6	10-15 August	Nutrient source (litter manure, organic manure), Aesthetic value of Plants and revision.
7	17-22 August	Test, Assignment and Doubts sessions.
8	24 - 29 August	Brief description of plants and/or plant parts used). Cereals: Rice, Wheat
9	31 Aug. - 5 Sept.	Brief description of plants and/or plant parts used: Legumes: Bengal gram (Chana), Green gram (Mung),
10	7 - 12 September	Brief description of plants and/or plant parts used: Soybean, Spices: Turmeric
11	14 - 19 September	Brief description of plants and/or plant parts used: Beverages: Tea; Sugar yielding plant: Sugarcane.
12	21 - 26 September	Brief description of plants and/or plant parts used: Medicinal plants: Tulsi, Neem, Giloy
13	28 - 3 October	Brief description of plants and/or plant parts used: Edible oils: Groundnut, Mustard, Fibers: Cotton, Jute.
14	5 - 10 October	Revision of lichens and nutrient source.
15	12 - 17 October	Revision of description of plants: cereals and legumes
16	19 - 24-October	Class test , Assignments and doubt sessions
17	26 - 31 October	Diwali Break
18	1 -10 November	description of plants: spices and medicinal plants
19	11-14November	Revision of description of plants: edible oils
20	16 -21November	Revision and doubts discussion.
21	23-November	Revision.

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Name of Teacher: Ms. Kumari Sakshi	**Class: B.A., B.Com, B.Sc. 1ST Sem**
Subject: VAC (EVS1)	**Paper Code: C24VAC101T**
Nomenclature of Paper: Environmental studies-I	

Week	Duration	TOPIC
1	15- 18 July	The multidisciplinary nature of environmental studies, Definition.
2	20 - 25 July	scope and importance, Need for public awareness
3	27 - 1 August	Ecosystems: Structure and function.
4	3 - 8 August	Producers, consumers and decomposers.
5	10-15 August	Energy flow in the ecosystem.
6	17-22 August	Food chains, food webs
7	24 - 29 August	ecological pyramids, Ecological succession
8	31 Aug. - 5 Sept.	Revision, test, assignment and doubt session for 1st unit
9	7 - 12 September	Introduction–Biogeographical classification of India
10	14 - 19 September	Value of biodiversity: India as a mega-diversity nation
11	21 - 26 September	Hot-spots of biodiversity
12	28 - 3 October	Threats to biodiversity
13	5 - 10 October	Conservation of biodiversity: In-situ and Ex-situ conservation of biodiversity.
14	12 - 17 October	Energy flow in the ecosystem.
15	19 - 24-October	Food chains, food webs
16	26 - 31 October	Ecological pyramids, Ecological succession
17	1 -10 November	Diwali Break
18	11-14November	Ecosystems: Structure and function
19	16-21 November	Revision of 2nd unit.
20	23-28November	Doubts, test and assignments discussion.
21	30-04 December	Revision of 1 st unit and doubts discussion.
22	07 -12-2026 Onwards	Major Test

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