

SUMMARY OF LESSON PLANS OF COLLEGE FACULTY

NAME OF THE COLLEGE: GOVERNMENT COLLEGE MAHINDERGARH ACADEMIC SESSION: 2024-25

SEMESTER: ODD/EVEN B.Sc. 1st SEM

Paper 1.1

SR. NO	NAME OF ASSISTANT PROFESSOR	MONTHS	TOPICS/CHAPTERS TO BE COVERED	ACADEMIC ACTIVITY TO BE ORGANIZED	TOPIC OF ASSIGNMENTS/ TEST TO BE GIVEN TO THE STUDENTS
1	JITENDER KUMAR (BOTANY)	July/August	Bacteria: General characters Structure, nutrition, reproduction and economic importance General characters: Viruses, Algae, Fungi Viruses: General account of Viruses including structure of TMV and Bacteriophages	PROBLEMS AND REVISION GROUP DISCUSSION	MONTHLY TEST ASSIGNMENT-1
2		Sept./oct.	General characters; life-history of Nostoc, Volvox, Ectocarpus, Vaucheria Fungi: General characters, classification (upto classes) and economic importance; General account of Lichens, Phytophthora, Pencillium, puccinia, colletotrichum Pteridophytes:	PROBLEMS AND REVISION GROUP DISCUSSION	MONTHLY TEST ASSIGNMENT-2
3		Octb./Nov.	General characters, Classification, Rhynia, Equisetum, Sellaginella, Pteris, Stelar evolution. Gymnosperm: General characters, Classification. Cycas, Pinus, Ephedra (Anatomy and reproduction, Paleobotany, Geological Time Scale.	PROBLEMS AND REVISION GROUP DISCUSSION	MONTHLY TEST ASSIGNMENT-3

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NAME OF THE COLLEGE: GOVERNMENT COLLEGE MAHINDERGARH

ACADEMIC SESSION: 2024-25

SEMESTER: ODD/EVEN B.Sc 3rd SEM

Paper 3.1

SR. NO	NAME OF ASSISTANT PROFESSOR	MONTHS	TOPICS/CHAPTERS TO BE COVERED	ACADEMIC ACTIVITY TO BE ORGANIZED	TOPIC OF ASSIGNMENTS/ TEST TO BE GIVEN TO THE STUDENTS
1	JITENDER KUMAR (BOTANY)	July/August	General characters: Gymnosperms Evolution of Seed Habit. Classification of Gymnosperms. Fossils Type	PROBLEMS AND REVISION GROUP DISCUSSION	MONTHLY TEST ASSIGNMENT-1
2		September /October	General characters, origin and evolution of Gymnosperms Geological Time Table; Evolution of Seed Habit. Reconstruction of the following fossil plants: Lyginopteris Williamsonia Cycadeoidea (= Bennettites	PROBLEMS AND REVISION GROUP DISCUSSION	MONTHLY TEST ASSIGNMENT-2
3		November	Pilger and Melchior's (1954) system of classification of Gymnosperms. Palaeobotany- Fossils and Fossilization (Process involved, types of fossils and importance of fossils);	PROBLEMS AND REVISION GROUP DISCUSSION	MONTHLY TEST ASSIGNMENT-3

SUMMARY OF LESSON PLANS OF COLLEGE FACULTY

NAME OF THE COLLEGE: GOVERNMENT COLLEGE MAHINDERGARH ACADEMIC SESSION: 2024-25

ODD/EVEN B.Sc 5th SEM

Paper 5.1

SR. NO	NAME OF ASSISTANT PROFESSOR	MONTHS	TOPICS/CHAPTERS TO BE COVERED	ACADEMIC ACTIVITY TO BE ORGANIZED	TOPIC OF ASSIGNMENTS/ TEST TO BE GIVEN TO THE STUDENTS
1	JITENDER KUMAR (BOTANY)	July/August	Plant-water relations: Plant Physiology , General View Mineral nutrition: A Vital role in Plant Growth ,Plant-water relations: Importance of water to plant life; physical properties of water; imbibition, diffusion and osmosis; absorption and transport of water;	PROBLEMS AND REVISION GROUP DISCUSSION	MONTHLY TEST ASSIGNMENT-1
2		September /October	Transpiration; physiology of stomata. Mineral nutrition: Essential macro and micro elements and their role; mineral uptake; deficiency symptoms.	PROBLEMS AND REVISION GROUP DISCUSSION	MONTHLY TEST ASSIGNMENT-2
3		November	Growth and development : Definitions; phases of growth and development; seed dormancy; plant movements; the concept of photoperiodism; physiology of flowering; florigen concept; physiology of senescence; fruit ripening Plant hormones- auxins, gibberellins, cytokinins, abscissic acid and ethylene	PROBLEMS AND REVISION GROUP DISCUSSION	MONTHLY TEST ASSIGNMENT-3