**SUMMARY OF LESSON PLANS OF COLLEGE FACULTY**

NAME **OF THE COLLEGE: GOVERNEMNT COLLEGE MAHINDERGARH ACADEMIC SESSION: 2023-24 SEMESTER: ODD/EVEN B.Sc. 1st SEM Paper 1.1**

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| **SR. NO** | **NAME OF ASSITANT 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) | **August/ September**  | Bacteria: General characters StructureGeneral characters: Viruses,Algae,FungiViruses: General account of Viruses including structure of TMV and Bacteriophages | PROBLEMS AND REVISIONGROUP DISCUSSION  | MONTHLY TESTASSIGNMENT-1  |
| 2 | **October**  | Bacteria: Structure, nutrition, reproduction and economic importanceGeneral characters; life-history of Nostoc,Volvox | PROBLEMS AND REVISIONGROUP DISCUSSION | MONTHLY TEST ASSIGNMENT-2 |
| 3 | **November**  | Fungi: General characters, classification (upto classes) and economic importance; General account of Lichens | PROBLEMS AND REVISIONGROUP DISCUSSION  | MONTHLY TEST ASSIGNMENT-3  |

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NAME **OF THE COLLEGE: GOVERNEMNT COLLEGE MAHINDERGARH ACADEMIC SESSION: 2023-24 SEMESTER: ODD/EVEN B.Sc 3rd SEM Paper 3.1**

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| **SR. NO** | **NAME OF ASSITANT 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) | August/September  | General characters: Gymnosperms Evolution of Seed Habit. Classification of Gymnosperms.Fossils Type | PROBLEMS AND REVISIONGROUP DISCUSSION  | MONTHLY TESTASSIGNMENT-1  |
| 2 | **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 REVISIONGROUP 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 REVISIONGROUP DISCUSSION  | MONTHLY TEST ASSIGNMENT-3  |

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NAME **OF THE COLLEGE: GOVERNEMNT COLLEGE MAHINDERGARH ACADEMIC SESSION: 2023-24 SEMESTER: ODD/EVEN B.Sc 5th SEM Paper 5.1**

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| **SR. NO** | **NAME OF ASSITANT 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) | **August/ September**  | 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 REVISIONGROUP DISCUSSION  | MONTHLY TESTASSIGNMENT-1  |
| 2 | **October**  | Transpiration; physiology of stomata.Mineral nutrition: Essential macro and micro elements and their role; mineral uptake; deficiency symptoms.  | PROBLEMS AND REVISIONGROUP 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 REVISIONGROUP DISCUSSION  | MONTHLY TEST ASSIGNMENT-3  |