**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 Structure  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 | **October** | Bacteria: Structure, nutrition, reproduction and economic importance  General characters; life-history of Nostoc,Volvox | PROBLEMS AND REVISION  GROUP DISCUSSION | MONTHLY TEST  ASSIGNMENT-2 |
| 3 | **November** | Fungi: General characters, classification (upto classes) and economic importance; General account of Lichens | PROBLEMS AND REVISION  GROUP DISCUSSION | MONTHLY TEST    ASSIGNMENT-3 |

**SUMMARY OF LESSON PLANS OF COLLEGE FACULTY**

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 REVISION  GROUP DISCUSSION | MONTHLY TEST  ASSIGNMENT-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 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: 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 REVISION  GROUP DISCUSSION | MONTHLY TEST  ASSIGNMENT-1 |
| 2 | **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 |