**DEPARTMENT OF BOTANY**

**WEEK WISE LESSON PLAN, Odd Semester 2023-2024**

**Subject: BOTANY Name of Teacher: Dr. Ravinder Kaur**

**Class: B. Sc. MEDICAL, 3rd Semester**

**Paper I: Biology and Diversity of Seed Plants-I**

**Lesson Plan for the month August 2023**

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| **Weeks** | **Topics** |
| **Week 1** | Introduction to Syllabus  General characters and diversity of Gymnosperms |
| **Week 2** | Pinus: Morphology and Anatomy of root |
| **Week 3** | Pinus: Leaflet and Reproduction |
| **Week 4** | Life cycle of Pinus |
| **Week 5** | Economic importance of Pinus |

**Lesson Plan for the month September 23**

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| **Week** | **Topics** |
| **Week 2** | Cycas: Morphology and anatomy of root |
| **Week 3** | Cycas: Leaflet, Reproduction |
| **Week 4** | Life cycle of Cycas |
| **Week 5** | Economic importance of Cycas |

**Lesson Plan for the month October 2023**

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| **Week** | **Topics** |
| **Week 1** | General characters of Angiosperms  Primitive angiosperms: Amentiferae, Ranales and Magnoliales |
| **Week 2** | Palaeobotany- Fossils and Fossilization |
| **Week 3** | Fossil plants reconstruction: *Lyginopteris*, *Williamsonia*, *Cycadeoidea* (= *Bennettites*) |
| **Week 4** | Class test/ Audio video demonstration, Diwali vacations |

**Lesson Plan for the month November 2023**

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| **Week** | **Topics** |
| **Week 1** | Ephedra: Morphology and anatomy of root and stem  Ephedra: Reproduction  Life cycle of Ephedra |
| **Week 2** | Economic importance of Ephedra |
| **Week 3** | Pilger and Melchior’s system of Classification  Evolution of Seed habit,  Geological time table |
| **Week 4** | Revision |
| **Week 5** | Examinations |