**WEEK WISE LESSON PLAN, Even Semester 2024**

Name of the Assistant Professor: **Dr. RAVINDER KAUR**

Class and Section: **B. Sc. MEDICAL, IVthSemester,** Subject: **BOTANY**

Paper- Biology and diversity of seed plants-II

**Week wise Lesson Plan for the month January, 2024**

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| **Week** | **Topics** |
| **2** | Taxonomy and Systematics: Introduction |
| **3** | Taxonomy and Systematics, Fundamental components of taxonomy (identification, classification, description, nomenclature and phylogeny) |
| **4** | Role of chemotaxonomy, cytotaxonomy and taximetrics in relation to taxonomy |

**Week wise Lesson Plan for the month February, 2024**

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| **Week** | **Topics** |
| **1** | Botanical nomenclature, Principles and rules, Principle of priority |
| **2** | Bentham & Hooker System of Classification |
| **3** | Engler and Prantl System of Classification |
| **4** | Type concept, taxonomic ranks, Keys to identification of plants |

**Week wise Lesson Plan for the month March, 2024**

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| **Week** | **Topics** |
| **1** | Introduction: Flower and Inflorescence types:- Raceme, Cymose and Special types |
| **2** | Diagnostic features and Economic importance of Families: Ranunculaceae, Brassicaceae, Malvaceae |
| **3** | Rutaceae, Apiaceae, Asclepiadaceae |
| **4** | Euphorbiaceae, Leguminosae |

**Week wise Lesson Plan for the month April, 2024**

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| **Week** | **Topics** |
| **1** | Liliaceae, Poaceae, Lamiaceae, Solanaceae, Asteraceae |
| **2** | Revision of the whole syllabus   * Through audio-visual practice * Diagram practice, Group discussion * Seminars and power point presentations * Oral and written tests |