**MEHR CHAND MAHAJAN DAV College for Women,**
**Sector – 36-A, Chandigarh**
**Monthly Teaching Plans [FIRST(Odd) Semester]**
**Session: 2026-27**

**Name of the Teacher/s:** Dr Jasleen Kaur

**Department:** Botany

**Class:** B.A./B.Sc.(Non-Medical) Ist Semester

**Subject: MDC-I**

**Course Title: PLANTS- IMPORTANCE AND PROPAGATION**
**Course Code: BOT-MDC-1-101**

| Month | Date (Monthly) | | Topics to be Covered | Academic Activity Undertaken* |
|---|---|---|---|---|
| | From | To | | |
| August | 1.8.2026 | 31.8.2026 | Diversity in habit (herb, shrub and tree) and habitat (terrestrial and aquatic), diversity on the basis of longevity (annual, biennials, perennials). Plant adaptations (hydrophytes and xerophytes). Plants as source of: food (Wheat, Rice) General account of asexual means of reproduction; Natural and artificial means of vegetative propagation; advantages and limitations; | Lecture Method;PPT; Charts;Notes – Assignments |
| **Departmental Meeting held on 26.08.26 to Coordinate and Review the Monthly completion of Syllabus as per lesson plans Discussion on the Mid Semester Tests to be held in SeptemberDepartmental** | | | | |
| September | 01.09.2026 | 30.09.2026 | Propagation by bulbs, corms, tubers, rhizomes, runners, stolons and suckers – general account; Propagation by cutting, layering, grafting and budding – general account | Lecture Method;PPT; Charts;Notes – Assignments |
| **Departmental Meeting held on 30.09.26 to Coordinate and Review the Monthly completion of Syllabus as per lesson plans** | | | | |
| October | 01.10.2026 | 31.10.2026 | General account of sexual reproduction - structure of flower (calyx, corolla, androecium, Gynoecium) and its various forms (unisexual & bisexual) | Lecture Method;PPT; Charts;Notes – Assignments |

| | | | | |
|---|---|---|---|---|
| **Departmental Meeting held on 28.10.26 to Coordinate and Review the Monthly completion of Syllabus as per lesson plans**<br>**Mid Semester Test** | | | | |
| November | 01.11.2026 | 17.11.2026 | Types of pollination (self vs. cross), fertilization; Basic concept of dicot seed, structure and germination. | Lecture Method;PPT; Charts; Notes – Assignments |
| **Departmental Meeting on 16.11.26 to Coordinate and Review the Monthly completion of Syllabus as per lesson plans** | | | | |
| November-December | 18.11.26 | 31.12.26 | **PU Semester examinations** | |

**MEHR CHAND MAHAJAN DAV College for Women,**
**Sector – 36-A, Chandigarh**
**Monthly Teaching Plans [SECOND (Even) Semester]**
**Session: 2026-27**

**Name of the Teacher/s:** Dr. Jasleen Kaur (Tentative)
**Department:** Botany
**Class: B.A./ B.Sc. (Non Med.) I$^{st}$ Year/ B.Sc. (MFT)**
**Subject: MDC-2**
**Course Title- UTILIZATION AND CONSERVATION OF PLANTS**
**Course Code: BOT-MDC-2-201**

| S.No. | Date (Monthly) | | Topics to be Covered | Academic Activity Undertaken* |
|---|---|---|---|---|
| | From | To | | |
| **Departmental Meeting will be held to Coordinate and Review the Monthly completion of Syllabus as per lesson plans semester** | | | | |
| January | 15.01.2027 | 31.01.2027 | Origin of agriculture-time and places of origin, domestication of cultivated plants; Forests resources – sustainable utilization and development; Ethnobotany and its significance. | Lecture Method;PPT; Charts; Group Discussions; Models; Visits; Assignments |
| **Departmental Meeting will be held on 27.01.2027 to Coordinate and Review the Monthly completion of Syllabus as per lesson plans semester** | | | | |
| February | 01.02.2027 | 28.02.2027 | General account, food and economic value of the plants as source of: Fibres (Cotton and Jute); Pulses (Mung, Chickpea); Spices and Condiments (Cumin, Fennel, Ginger and Turmeric); Vegetables and fruits (Potato, Tomato, Grapes and Mango). | Lecture Method;PPT; Charts; Group Discussions; Models; Visits; Assignments |
| **Departmental Meeting will be held on 24.02.2027 to Coordinate and Review the Monthly completion of Syllabus as per lesson plans**<br>**Mid Semester Test** | | | | |

| | | | | |
|---|---|---|---|---|
| March | 01.03.2027 | 31.03.2027 | General account, parts used and uses of the plants as source of: Vegetable oils (Sunflower and Mustard); Pulp plants (bamboo); Medicinal plants (Ashwagandha, Aloe Vera); brief account of resins and gums; psychoactive drugs (Hemp and Poppy). | Lecture Method;PPT; Charts; Group Discussions; Models; Visits; Assignments |
| **Departmental Meeting will be held on 25.03.2026 to Coordinate and Review the Monthly completion of Syllabus as per lesson plans** | | | | |
| April | 01.04.2027 | 26.04.2027 | IUCN categories of plants; plant extinction – causes and preventive measures; principles of conservation; in situ and ex situ conservation strategies; Conventions on Biodiversity (CBD); International agreement to protect species and habitat; Brief account of National Parks, Biosphere Reserves and Sanctuaries.<br>**Revision/doubt clearing Sessions** | Lecture Method;PPT; Charts; Group Discussions; Models; Visits; Assignments. |
| **Departmental Meeting will be held on 24.04.2027 to Coordinate and Review the Monthly completion of Syllabus as per lesson plans** | | | | |
| April-May | 27.4.2027 | 5.6.2027 | **P.U. Practical/ Theory Examination** | |

**MEHR CHAND MAHAJAN DAV College for Women,**
**Sector – 36-A, Chandigarh**
**Monthly Teaching Plans [Third (Odd) Semester]**
**Session: 2026-27**

**Name of the Teacher/s:** Dr. Ruby Singh

**Department:** Botany

**Class: B.A. / B.Sc. (Non Med.) II$^{rd}$ Year/ B.Sc. (MFT)**

**Subject: Course Code: BOT-MDC-3-301** (**NATURAL RESOURCE MANAGEMENT**)

**Sections:** Single

| Month | Date (Monthly) | | Topics to be Covered | Academic Activity Undertaken* |
|---|---|---|---|---|
| | From | To | | |
| August | 1.8.2026 | 31.8.2026 | **Natural Resources:** Definition and types and conservation of natural resources, conventional (Coal, petroleum, natural gas and electricity) and non-conventional (solar energy, tidal energy, wind energy, geothermal energy) energy sources, alternate emerging energy resources for future (Petroplants, biodiesel). | Lecture Method; PPT; Charts; Group Discussions; Models; Visits; Assignments. |
| **Departmental Meeting held on 26.08.26 to Coordinate and Review the Monthly completion of Syllabus as per lesson plans** | | | | |
| September | 01.09.2026 | 30.09.2026 | **Water Resources:** Types of water sources, Water resource scenario in India, Sustainable water use and Water Conservation, rainwater harvesting and watershed management. | Lecture Method;PPT; Charts; Group Discussions; Models; Visits; Assignments. |
| **Departmental Meeting held on 30.09.26 to Coordinate and Review the Monthly completion of Syllabus as per lesson plans** | | | | |
| October | 01.10.2026 | 31.10.2026 | **Forests Resources:** Significance of forests, Major forest types of India, Impact of Mining on Forests, Dams and their impact on forests, Deforestation, Conservation of | Lecture Method; PPT; Charts; Group Discussions; Models; Visits; Assignments. |

| | | | | |
|---|---|---|---|---|
| | | | forest resources, Forest Policy of India, Joint Forest management (JFM). | |
| **Departmental Meeting held on 30.10.26 to Coordinate and Review the Monthly completion of Syllabus as per lesson plans**<br>**Mid Semester Test** | | | | |
| November | 01.11.2026 | 17.11.2026 | **Soil Resource:** Land use in India, Soils of India, Soil Degradation and its control, Water logging and salinity, Soil erosion, Wasteland Reclamation. Contemporary practices in resource management.<br>**Revision Classes** | Lecture Method;PPT; Charts; Group Discussions; Models; Visits; Assignments. |
| **Departmental Meeting held on 16.11.26 to Coordinate and Review the Monthly completion of Syllabus as per lesson plans** | | | | |
| November-December | 18.11.26 | 31.12.26 | **PU Semester examinations** | |