

**MEHR CHAND MAHAJAN DAV College for Women,
Sector – 36-A, Chandigarh
Monthly Teaching Plans [First (Odd) Semester]
Session: 2025-26**

Name of the Teacher/s: Dr. Ruby Singh

Department: Botany

Class: B.A., B.Sc. Semester

Subject: VAC

Course Title: NURSERY AND GARDENING

Course Code: BOT-VAC-1-101

Month	Date (Monthly)		Topics to be Covered	Academic Activity Undertaken*
	From	To		
August	1.8.2025	31.8.2025	Nursery: Definition, objectives, components, scope and building up of infrastructure for nursery. Planning and seasonal activities,	Lecture Method; PPT; Notes – Assignments
Departmental Meeting held on 27.08.2025 to review the progress of syllabus as per lesson plans				
September	01.09.2025	30.09.2025	Planting - direct seeding and transplants. Nursery Management and Routine Garden Operations. Gardening: Definition, objectives and scope - different types of gardening.	Lecture Method;PPT; Charts;Notes – Assignments
Departmental Meeting held on 24.09.2025 to Coordinate and Review the Monthly completion of Syllabus as per lesson plans				
October	01.10.2025	31.10.2025	MST October 2025 Gardening: Definition, objectives and scope - different types of gardening. 15 Hours Landscape and home/ terrace gardening, parks and its components, plant materials and design. Gardening operations: soil laying, manuring, watering, management of pest and diseases and harvesting..	Lecture Method;PPT; Charts;Notes – Assignments
Departmental Meeting held on 29.10.2025 to review the progress of syllabus as per lesson plans				
November	01.11.2025	13.11.2025	General account of bonsai technique. Revision/doubt clearing Sessions	Lecture Method;PPT; Charts; Notes – Assignments
Departmental Meeting held on 12.11.2025 to review the progress of syllabus as per lesson plans; End Semester Examinations from 14.11.2025 – 26.12.2025 Semester Vacation – Winter Break – 27.12.2025 – 09.01.2025				

**MEHR CHAND MAHAJAN DAV College for Women,
Sector – 36-A, Chandigarh
Monthly Teaching Plans [Second (Even) Semester]
Session: 2025-26**

Name of the Teacher/s: Dr. Ruby Singh

Department: Botany

Class: B.Sc. BA

Subject: VAC

Course Title: BIODIVERSITY AND CONSERVATION

Course Code: BOT-VAC-2-201

S.No.	Date (Monthly)		Topics to be Covered	Academic Activity Undertaken*
	From	To		
January	10.01.2026	31.01.2026	Biodiversity: Definition and levels of biodiversity (species, genetic and ecosystem diversity) Measuring Biodiversity (alpha, beta and gamma),	Lecture Method – Notes/PPT/ Assignments;
Departmental Meeting held on 28.01.2026 to review the Monthly completion of Syllabus as per lesson plans				
February	01.02.2026	28.02.2026	Values and uses of Biodiversity: Threats to biodiversity- Causes for Loss of Biodiversity, Hot spots of Indian Biodiversity, Biodiversity Act, 2002, Convention on Biological Diversity (CBD)	Lecture Method – Notes/PPT/ Assignments
Departmental Meeting shall be held on 25.02.2026 to Coordinate and Review the Monthly completion of Syllabus as per lesson plans				
March	01.03.2026	31.03.2026	MST March 2026 Conservation of Biodiversity: IUCN Red list categories of biodiversity, In-situ (Biosphere Reserves, National Parks, Wildlife Sanctuary) and Ex-situ (Botanical gardens, zoological gardens, gene banks and tissue culture), plants.	Lecture Method – Notes/PPT/ Assignments

Departmental Meeting shall be held on 25.03.2026 to Coordinate and Review the Monthly completion of Syllabus as per lesson plans				
April	01.04.2026	25.04.2026	Strategies of Biodiversity Conservation, Sacred Groves (holistic approach of conservation) Biodiversity awareness programmes, Organizations associated with biodiversity management-Methodology for execution-IUCN, UNEP, UNESCO, WWF, NBPGR. Revision/doubt clearing Sessions	Lecture Method – Notes/PPT/ Assignments
<p>Departmental Meeting held on 23.04.2026 to Review the Monthly completion of Syllabus as per lesson plans.</p> <p>End Semester Examinations from 27.04.2026– 05.06.2026; Semester Vacation – Summer Break – 01.06.2026 – 13.07.2026.</p>				

**MEHR CHAND MAHAJAN DAV College for Women,
Sector – 36-A, Chandigarh
Monthly Teaching Plans [Fourth (Even) Semester]
Session: 2025-26**

Name of the Teacher/s: Dr. Ruby Singh

Department: Botany

Class: B.Sc. BA, MFT

Subject: VAC

Course Title: PLANTS AND HUMAN WELFARE

Course Code: BOT-VAC-3-401

S.No.	Date (Monthly)		Topics to be Covered	Academic Activity Undertaken*
	From	To		
January	10.01.2026	31.01.2026	Everyday Plants and Their Roles in Daily Life (botanical name, family, part used and uses) Plants as food: Major cereal (Wheat), Minor cereal (Oat), Millet (Foxtail Millet)	Lecture Method – Notes/PPT/ Assignments;
Departmental Meeting held on 28.01.2026 to review the Monthly completion of Syllabus as per lesson plans				
February	01.02.2026	28.02.2026	Plants as food: Major cereal (Wheat), Minor cereal (Oat), Millet (Foxtail Millet) Plants as spices: Clove and Black Pepper Plants as medicine: Neem, Amla Plants as Fibres: Cotton, Jute Plants as Beverages: Tea, Coffee	Lecture Method – Notes/PPT/ Assignments
Departmental Meeting shall be held on 25.02.2026 to Coordinate and Review the Monthly completion of Syllabus as per lesson plans				
March	01.03.2026	31.03.2026	MST March 2026 Role of plants in relation to Human Welfare: Microgreen – What & How to grow microgreen& its importance. Phytoremediation	Lecture Method – Notes/PPT/ Assignments
Departmental Meeting shall be held on 25.03.2026 to Coordinate and Review the Monthly completion of Syllabus as per lesson plans				
April	01.04.2026	25.04.2026	Phytoremediation General account of Petroplants and Biodiesel. Role of plants in combating indoor pollution. Bioinsecticides: Source of	Lecture Method – Notes/PPT/ Assignments

			Pyrethrum and Rotenone Economic and ecological Importance of agro and social forestry Revision/doubt clearing Sessions	
<p>Departmental Meeting held on 23.04.2026 to Review the Monthly completion of Syllabus as per lesson plans.</p> <p>End Semester Examinations from 27.04.2026– 05.06.2026; Semester Vacation – Summer Break – 01.06.2026 – 13.07.2026.</p>				

