

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

Name of the Teacher/s: Dr Jasleen Kaur

Department: Botany

Class: B.Sc. (Med.) II Year

Subject: Course Title: MORPHOLOGY OF ANGIOSPERMS

Course Code: BOT-DSC-3 Maj/Min-301

Month	Date (Monthly)		Topics to be Covered	Academic Activity Undertaken*
	From	To		
July	28.7.2025	31.7.2025	General characters of angiosperms, Diversity in plant forms: annuals, biennials and perennials	Lecture Method;PPT; Charts;Notes – Assignments
Departmental Meeting held on 30.07.25 to Coordinate and Review the Monthly completion of Syllabus as per lesson plans				
August	1.8.2025	31.8.2025	Diversity on the basis of size, habit and habitat. Monocots and dicots. Root: Characteristics and functions. Tap root and adventitious root system and their various types; structural modifications for storage, respiration and reproduction	Lecture Method;PPT; Charts;Notes – Assignments
Departmental Meeting held on 27.08.25 to Coordinate and Review the Monthly completion of Syllabus as per lesson plans				
September	01.09.2025	30.09.2025	Stem: Characteristics and functions, branching pattern. Modifications of aerial, subaerial and underground stem.	Lecture Method;PPT; Charts;Notes – Assignments
Departmental Meeting held on 24.09.25 to Coordinate and Review the Monthly completion of Syllabus as per lesson plans				
October	01.10.2025	31.10.2025	Modifications of underground stem. Leaf: Parts of Leaf, Venation, phyllotaxy	Lecture Method;PPT; Charts;Notes – Assignments

Departmental Meeting on 29.10.25 to Coordinate and Review the Monthly completion of Syllabus as per lesson plans				
Mid Semester Test				
November	01.11.2025	13.11.2025	Leaf: simple and compound leaves, functions and modifications of leaves. Revision Classes	Lecture Method;PPT; Charts; Notes – Assignments
Departmental Meeting held on 12.11.25 to Coordinate and Review the Monthly completion of Syllabus as per lesson plans				
November-December	14.11.25	26.12.25	PU Semester examinations	

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

Name of the Teacher/s: Dr Jasleen Kaur

Department: Botany

Class: B.Sc. (Med.) II Year

Subject: Course Title: CYTOGENETICS

Course Code: BOT-DSC-4 Maj/Min-302 / Maj-402

Month	Date (Monthly)		Topics to be Covered	Academic Activity Undertaken*
	From	To		
July	28.7.2025	31.7.2025	Cell: Ultrastructure and functions of a typical plant cell and its organelles: Nucleus, Mitochondrion, Plastids, Ribosome, Endoplasmic reticulum, Golgi apparatus, Lysosomes; Structure and functions of cell wall and plasma membrane: fluid mosaic model only.	Lecture Method;PPT; Charts;Notes – Assignments
Departmental Meeting held on 30.07.25 to Coordinate and Review the Monthly completion of Syllabus as per lesson plans				
August	1.8.2025	31.8.2025	Chromosomes: Physical structure of chromosome; Giant chromosomes: Polytene and Lampbrush chromosomes.	Lecture Method;PPT; Charts;Notes – Assignments
Departmental Meeting held on 27.08.25 to Coordinate and Review the Monthly completion of Syllabus as per lesson plans				
September	01.09.2025	30.09.2025	Cell division: mitosis and meiosis and its significance. Mendelism: Mendel's experiments and results, Mendel's Laws of Dominance, Segregation and Independent assortment	Lecture Method;PPT; Charts;Notes – Assignments
Departmental Meeting held on 24.09.25 to Coordinate and Review the Monthly completion of Syllabus as per lesson plans				
October	01.10.2025	31.10.2025	Linkage: complete and incomplete linkage, linkage groups, linkage maps, importance of linkage.	Lecture Method;PPT; Charts;Notes – Assignments

Departmental Meeting held on 29.10.25 to Coordinate and Review the Monthly completion of Syllabus as per lesson plans Mid Semester Test				
November	01.11.2025	13.11.2025	Genetic Code: Characteristics, exceptions, Wobble hypothesis; DNA: Structure (Watson and Crick model) and Replication. RNA: Structure and types, transcription, translation. Revision Classes	Lecture Method;PPT; Charts;Notes – Assignments
Departmental Meeting held on 2.11.25 to Coordinate and Review the Monthly completion of Syllabus as per lesson plans				
November-December	14.11.25	26.12.25	PU Semester examinations	

**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. Jasleen Kaur

Department: Botany

Class: B.Sc. (Med.) II Year

Subject: Course Title: **REPRODUCTIVE BIOLOGY OF ANGIOSPERMS**

Course Code: BOT-DSC-5 Maj/Min-401

S.No.	Date (Monthly)		Topics to be Covered	Academic Activity Undertaken*
	From	To		
Departmental Meeting to Coordinate and Review the Monthly completion of Syllabus as per lesson plans semester				
January	10.01.2026	31.01.2026	Flower: As a modified shoot, functions; Symmetry of flower, parts of flower, structure of anther and pistil; Inflorescence (Racemose, Cymose, Compound inflorescence and Special type)	Lecture Method – Notes/PPT/ Assignments;
Departmental Meeting held on 28.01.26 to Coordinate and Review the Monthly completion of Syllabus as per lesson plans				
February	01.02.2026	28.02.2026	Pollination: Types of pollination, advantages and disadvantages of self and cross- pollination, Contrivances for self and cross- pollination, Various agencies to bring about cross pollination,	Lecture Method – Notes/PPT/ Assignments

			characters of flowers pollinated by various agencies.	
Departmental Meeting held on 25.02.26 to Coordinate and Review the Monthly completion of Syllabus as per lesson plans				
Mid Semester Test				
March	01.03.2026	31.03.2026	Structure and development of male gametophyte, structure and development of female gametophyte (Polygonum type). Structure of dicot and monocot seed, non-endospermic and endospermic seed	Lecture Method – Notes/PPT/ Assignments
Departmental Meeting held on 25.03.26 to Coordinate and Review the Monthly completion of Syllabus as per lesson plans				
April	01.04.2026	25.04.2026	General account of asexual means of reproduction (natural with the help of roots, stem (underground, creeping and aerial), leaf, bulbils and turions and artificial means (cutting, layering, grafting, micropropagation). Significance of vegetative propagation.. Revision/doubt clearing Sessions	Lecture Method – Notes/PPT/ Assignments
Departmental Meeting to be held on 23.04.26 to Coordinate and Review the Monthly completion of Syllabus as per lesson plans				
April-May	27.4.2026	5.6.2026	P.U. Practical/ Theory Examination	

**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. Jasleen Kaur

Department: Botany

Class: B.Sc. (Med.) II Year

Subject: Course Title: PHYCOLOGY

Course Code: BOT-DSC-6 Maj-402

S.No.	Date (Monthly)		Topics to be Covered	Academic Activity Undertaken*
	From	To		
Departmental Meeting to Coordinate and Review the Monthly completion of Syllabus as per lesson plans semester				
January	10.01.2026	31.01.2026	Criteria for algal classification (pigments, reserve food, flagella, chloroplasts, pyrenoids, eye spots, etc.) Salient features: Cell structure, thallus organization, reproduction and broad classification of i) Cyanophyta ii) Xanthophyta iii) Bacillariophyta iv) Dinophyta	Lecture Method – Notes/PPT/ Assignments;
Departmental Meeting held on 28.01.26 to Coordinate and Review the Monthly completion of Syllabus as per lesson plans				
February	01.02.2026	28.02.2026	Salient features: Cell structure, thallus organization, reproduction	Lecture Method – Notes/PPT/ Assignments

			and broad classification of v) Chlorophytavi) Phaeophyta vii) Cryptophyta and viii) Rhodophyta.	
Departmental Meeting held on 25.02.26 to Coordinate and Review the Monthly completion of Syllabus as per lesson plans Mid Semester Test				
March	01.03.2026	31.03.2026	Diversity in algal habitats (terrestrial, freshwater and marine). Thallus organization in algae. Reproduction (vegetative, asexual and sexual), life cycles.	Lecture Method – Notes/PPT/ Assignments
Departmental Meeting on 25.03.26 to Coordinate and Review the Monthly completion of Syllabus as per lesson plans				
April	01.04.2026	25.04.2026	Rhythms and bioluminescence in dinoflagellates. Economic importance of algae (algal biofertilizers, algal blooms, algae as food and feed, uses in industries etc.) Algae in Biotechnology /doubt clearing Sessions	Lecture Method – Notes/PPT/ Assignments
Departmental Meeting on 23.04.26 to Coordinate and Review the Monthly completion of Syllabus as per lesson plans				
April-May	27.4.2026	5.6.2026	P.U. Practical/ Theory Examination	