MONTHLY TEACHING PLAN (2026-27)

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 Gunjan Sud

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	20.7.2026	31.7.2026	General characters of angiosperms, Diversity in plant forms: annuals, biennials and perennials	Lecture Method; PPT; Charts; Notes; Field Visits; Assignments
Departmental Meeting held on 29.07.26 to Coordinate and Review the Monthly completion of Syllabus as per lesson plans				
August	1.8.2026	31.8.2026	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; Field Visits; 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 September				
September	01.09.2026	30.09.2026	Stem: Characteristics and functions, branching pattern. Modifications of aerial, sub aerial and underground stem.	Lecture Method; PPT; Charts; Notes; Field 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	Modifications of underground stem; Leaf: Parts of Leaf, Venation, Phyllotaxy: Leaf: simple and compound leaves,	Lecture Method; PPT; Charts; Notes; Field Visits; Assignments

MONTHLY TEACHING PLAN (2026-27)

Month	Date (Monthly)		Topics to be Covered	Academic Activity Undertaken*
	From	To		
			functions, and modifications of leaves.	
Departmental Meeting on 28.10.26 to Coordinate and Review the Monthly completion of Syllabus as per lesson plans				
November	01.11.2026	17.11.2026	Flower: Parts of flower (excluding terminology). Solitary flower and inflorescence (racemose, cymose, compound and special inflorescence). **Revision Classes**	Lecture Method; PPT; Charts; Notes; Field Visits; Assignments
Departmental Meeting held on 18.11.26 to Coordinate and Review the monthly completion of syllabus as per lesson plans and preparation for the Final exams				
November-December	18.11.26	31.12.26	**PU semester examinations**	

MONTHLY TEACHING PLAN (2026-27)

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

Name of the Teacher/s: Dr. Gunjan Sud

Department: Botany

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

Subject: **REPRODUCTIVE BIOLOGY OF ANGIOSPERMS**

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

Sr.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	Structure of anther and pistil, Microsporogenesis and development of male gametophyte, Megasporogenesis and development of female gametophyte (*Polygonum* type).	Lecture Method; PPT; Charts; Notes; Field Visits; Assignments
Departmental Meeting will be held on 27.01.27 to Coordinate and Review the Monthly completion of Syllabus as per lesson plans				
February	01.02.2027	28.02.2027	Types of pollination, advantages and disadvantages o self and cross-pollination, Contrivances for self and cross-pollination, various agencies to bring about cross pollination, characters of flowers pollinated by various agencies.	Lecture Method; PPT; Charts; Notes; Field Visits; Assignments
Departmental Meeting will be held on 24.02.27 to Coordinate and Review the Monthly completion of Syllabus as per lesson plans **Discussion on Mid Semester Test to be held in March**				

MONTHLY TEACHING PLAN (2026-27)

Sr.No.	Date (Monthly)		Topics to be Covered	Academic Activity Undertaken*
March	01.03.2027	31.03.2027	Types of ovules, Types of embryo sac (monsporic, bisporic and tetrasporic), process of fertilization, double fertilization, and its significance.	Lecture Method; PPT; Charts; Notes; Field Visits; Assignments
Departmental Meeting will be held on 31.03.27 to Coordinate and Review the Monthly completion of Syllabus as per lesson plans				
April	01.04.2027	26.04.2027	Types of endosperm (nuclear, cellular and helobial) and its importance; Development of monocot embryo (*Sagittaria sagittifolia*), Development of dicot embryo (*Capsella bursa-pastoris*), Structure of Dicot seed and monocot Seed, endospermic and non-endospermic, Seed germination (Hypogeal and Epigeal). **Revision/doubt clearing Sessions**	Lecture Method; PPT; Charts; Notes; Field Visits; Assignments
Departmental Meeting will be held on 21.04.27 to Coordinate and Review the Monthly completion of Syllabus as per lesson plans and preparation for the Final examination				
April-May	27.4.2027	5.6.2027	P.U. Practical/ Theory Examination	

MONTHLY TEACHING PLAN (2026-27)

MEHR CHAND MAHAJAN DAV COLLEGE FOR WOMEN SECTOR 36-A, CHANDIGARH

Monthly Teaching Plans – ODD Semester (Semester III & IV) Session 2026-27

Name of the Teacher/s: Dr. Purnima Bhandari
Department: Botany
Class: B.Sc. II (under NEP)
Subject: CYTOGENETICS
Subject Code: BOT-DSC-4 Maj/Min-302/ Maj-402
Sections: Single

Month	Date (Monthly)		Topics to be Covered	Academic Activity Undertaken*
	From	To		
July	20.07.2026	31.07.2026	**Cell:** Ultrastructure and functions of a typical plant cell and its organelles: Nucleus, Mitochondrion, Plastids, Ribosome, Endoplasmic reticulum, Golgi apparatus	PowerPoint presentations, group discussion, Assignments.
Departmental Meeting held on 29.07.2026 to Coordinate and Review the Monthly completion of Syllabus as per lesson plans				
August	01.08.2026	31.08.2026	**Cell (contd.)** Lysosomes; Structure and functions of cell wall and plasma membrane: fluid mosaic model only. **Chromosomes:** Physical structure of chromosome; Giant chromosomes: Polytene and Lamp brush chromosomes. Cell division: mitosis and meiosis and its significance.	PowerPoint presentations, group discussion, Assignments.
Departmental Meeting held on 26.08.2026 to review the progress of syllabus as per lesson plans				
September	01.09.2026	30.9.2026	**Mendelism:** Mendel's experiments and results, Mendel's Laws of Dominance, Segregation, and independent assortment; Linkage:	PowerPoint presentations, group discussion, Assignments.

MONTHLY TEACHING PLAN (2026-27)

Month	Date (Monthly)		Topics to be Covered	Academic Activity Undertaken*
	From	To		
			complete and incomplete linkage, linkage groups, linkage maps, importance of linkage. **Mid Semester Examinations (MST)**	
Departmental Meeting held on 30.09.2026 to Coordinate and Review the Monthly completion of Syllabus as per lesson plans				
October	01.10.2026	31.10.2026	**Genetic Code:** Characteristics, exceptions, Wobble hypothesis; DNA: Structure (Watson and Crick model) and Replication. RNA: Structure and types, transcription, translation.	Power point presentation, group discussion, assignments, Flipped classroom method.
Departmental Meeting held on 28.10.2026 to review the progress of syllabus as per lesson plans				
November	01.11.2026	17.11.2026	**Revision, Test and Assessments.**	
Departmental Meeting held on 18.11.2026 to review the progress of syllabus as per lesson plans; **End Semester Examinations from 18.11.2026 – 31.12.2026** **Semester Vacation – Winter Break – 01.01.2027 – 14.01.2027**				

MONTHLY TEACHING PLAN (2026-27)

MEHR CHAND MAHAJAN DAV COLLEGE FOR WOMEN SECTOR 36-A, CHANDIGARH

Monthly Teaching Plans – EVEN Semester (Semester III & IV) Session 2026-27

Name of the Teacher/s: Dr. Purnima Bhandari
Department: Botany
Class: B.Sc. II (under NEP)
Subject: CYTOGENETICS
Subject Code: BOT-DSC-4 Maj/Min-302/ Maj-402
Sections: Single

Month	Date (Monthly)		Topics to be Covered	Academic Activity Undertaken*
	From	To		
January	15.01.2027	31.01.2027	**Cell:** Ultrastructure and functions of a typical plant cell and its organelles: Nucleus, Mitochondrion, Plastids, Ribosome, Endoplasmic reticulum, Golgi apparatus	PowerPoint presentations, group discussion, Assignments.
Departmental Meeting will be held on 27.01.2027 to Coordinate and Review the Monthly completion of Syllabus as per lesson plans				
February	01.02.2027	28.02.2027	**Cell (contd.)** Lysosomes; Structure and functions of cell wall and plasma membrane: fluid mosaic model only. **Chromosomes:** Physical structure of chromosome; Giant chromosomes: Polytene and Lamp brush chromosomes. Cell division: mitosis and meiosis and its significance.	PowerPoint presentations, group discussion, Assignments.
Departmental Meeting will be held on 24.02.2027 to review the progress of syllabus as per lesson plans				
March	01.03.2027	31.03.2027	**Mendelism:** Mendel's experiments and results, Mendel's Laws of Dominance, Segregation, and independent	PowerPoint presentations, group discussion, Assignments.

MONTHLY TEACHING PLAN (2026-27)

Month	Date (Monthly)		Topics to be Covered	Academic Activity Undertaken*
	From	To		
			assortment; Linkage: complete and incomplete linkage, linkage groups, linkage maps, importance of linkage. **Mid Semester Examinations (MST)**	
Departmental Meeting will be held on 31.03.2027 to Coordinate and Review the Monthly completion of Syllabus as per lesson plans				
April	01.04.2026	26.04.2027	**Genetic Code:** Characteristics, exceptions, Wobble hypothesis; DNA: Structure (Watson and Crick model) and Replication. RNA: Structure and types, transcription, translation. **Revision, Test and Assessments.**	Power point presentation, group discussion, assignments, Flipped classroom method.
Departmental Meeting will be held on 21.04.2027 to review the progress of syllabus as per lesson plans; **End Semester Examinations from 27.04.2027-05.06.2027** **Semester Vacation – Summer Break – 06.06.2027 – 11.07.2027**				