

MCM DAV College for Women, Sector – 36A, Chandigarh
Monthly Teaching Plans (Odd Semester)
Session–(2019-20)

Name of the Teacher/s: Dr. Jasleen Kaur

Department: Botany

Class: B.Sc. (Med.) 2nd year

Subject: Paper A (DIVERSITY OF SEED PLANTS AND THEIR SYSTEMATICS- I) **Sections:** A

S.No.	Date (Monthly)		Topics to be Covered	Academic Activity Undertaken*
	From	To		
July	15.07.2019	31.07.2019	General characteristics and economic importance of gymnosperms; differences between gymnosperms and angiosperms; differences between manoxylic and pycnoxylic wood.	Lecture Method, PPT
Departmental Meeting to Coordinate and Review the Monthly completion of Syllabus as per lesson plans				
August	01.08.2019	31.08.2019	Structure, reproduction (male and female strobilus; structure of ovule; development of male and female gametophytes; pollination, fertilization, development of embryo and structure of seed) and life cycle of Cycas.	Lecture Method, PPT
Departmental Meeting to Coordinate and Review the Monthly completion of Syllabus as per lesson plans				
September	02.09.2019	30.09.2019	Fossil gymnosperms : Brief account of fossils , their formation and types (excluding details). Lyginopteris: Introduction, external structure of stem; internal structure of primary stem, root and leaf; reproduction. Williamsonia: Introduction, external morphology; internal structure; reproductive organs, male and female flowers.	

October	01.10.2019	09.10.2019	Structure, reproduction (male and female strobilus; structure of ovule; development of male and female gametophytes of <i>Pinus</i>	Lecture Method, PPT
	10.10.2019	17.10.2019	Mid Semester Examination	
	18.10.2019	31.10.2019	Pollination, fertilization, development of embryo and structure of seed) and life cycle of: <i>Pinus</i>	Lecture Method, PPT
Departmental Meeting to Coordinate and Review the Monthly completion of Syllabus as per lesson plans				
November	1.11.2019	30.11.2019	Structure, reproduction (male and female strobilus; structure of ovule; development of male and female gametophytes; pollination, fertilization, development of embryo and structure of seed) and life cycle of: <i>Ephedra</i>	Lecture Method, PPT
Departmental Meeting to Coordinate and Review the Monthly completion of Syllabus as per lesson plans				
December	2.12.2019	24.12.2019	Tentative P.U. Semester Examination	
Departmental Meeting to Coordinate and Review the Monthly completion of Syllabus as per lesson plans				

*Any of these – (i) Lecture Method; (ii) PPT; (iii) Online Sources; (iv) Group Discussion; (v) Case Studies etc.
Other Methods adopted by the teacher – Please write the specific teaching method

MCM DAV College for Women, Sector – 36A, Chandigarh
Monthly Teaching Plans (Even Semester)
Session–(2019-20)

Name of the Teacher/s: Dr. Jasleen Kaur

Department: Botany

Class: B.Sc. (Med.) 2nd year

Subject: Paper A (DIVERSITY OF SEED PLANTS AND THEIR SYSTEMATICS- I)

Sections: A

S.No.	Date (Monthly)		Topics to be Covered	Academic Activity Undertaken*
	From	To		
January	09.01.2020	31.01.2020	General characters of Angiosperms. Plant nomenclature and International Code of Botanical Nomenclature : Common names and scientific names, principles and rules; taxonomic ranks; type concept (Holotype, Isotype, Syntype, Paratype, Lectotype, Neotype and Topotype); principle of priority, aims and objectives of plant taxonomy. A brief account of Bentham and Hooker's System of classification, its merits and demerits.	Lecture Method, PPT
Departmental Meeting to Coordinate and Review the Monthly completion of Syllabus as per lesson plans				
February	01.02.2020	29.02.2020	Terminology pertaining to floral description. General account and diagnostic features of the following families (excluding economic importance) : Liliaceae : Asphodelus/Asparagus Gramineae (Poaceae) : Triticum Ranunculaceae :	Lecture Method, PPT

			Ranunculus and Delphinium Brassicaceae : Brassica	
Departmental Meeting to Coordinate and Review the Monthly completion of Syllabus as per lesson plans				
March	02.3.2020	30.3.2020	General account and diagnostic features of the following families (excluding economic importance): Rutaceae : Citrus and Murraya Malvaceae : Hibiscus Fabaceae : Lathyrus, Cassia and Acacia Umbelliferae (Apiaceae) : Coriandrum	Lecture Method, PPT
Departmental Meeting to Coordinate and Review the Monthly completion of Syllabus as per lesson plans				
April	01.04.2020	19.04.2020	General account and diagnostic features of the following families (excluding economic importance) : Compositae (Asteraceae) : Helianthus/Ageratum Asclepiadaceae : Calotropis Solanaceae : Solanum and Petunia Labiatae (Lamiaceae) : Ocimum Chenopodiaceae : Chenopodium	Lecture Method, PPT
	20.4.2020	27.4.2020	Tentative PU Practical Examination	
Departmental Meeting to Coordinate and Review the Monthly completion of Syllabus as per lesson plans				
May	03.5.2020	30.5.2020	Tentative PU Semester Examination	
Departmental Meeting to Coordinate and Review the Monthly completion of Syllabus as per lesson plans				

*Any of these – (i) Lecture Method; (ii) PPT; (iii) Online Sources; (iv) Group Discussion; (v) Case Studies etc. Other Methods adopted by the teacher – Please write the specific teaching method

MCM DAV College for Women, Sector – 36A, Chandigarh
Monthly Teaching Plans (Odd Semester)
Session–(2019-20)

Name of the Teacher/s: Dr. Aditi Shreeya Bali

Department: Botany

Class: B.Sc. (Med.) 2nd year

Subject: Paper B (STRUCTURE, DEVELOPMENT AND REPRODUCTION IN FLOWERING PLANTS-I) **Sections:** A

S.No.	Date (Monthly)		Topics to be Covered	Academic Activity Undertaken*
	From	To		
July	15.07.2019	31.07.2019	The basic body plan of a flowering plant. Diversity in plant form in annuals, biennials and perennials.	Lecture Method, PPT
Departmental Meeting to Coordinate and Review the Monthly completion of Syllabus as per lesson plans				
August	01.08.2019	31.08.2019	Root system: Tap root and adventitious root system and their various types; structural and anatomical modifications for storage, respiration and reproduction.	Lecture Method, PPT
Departmental Meeting to Coordinate and Review the Monthly completion of Syllabus as per lesson plans				
September	02.09.2019	30.09.2019	Stem : Modifications of aerial and underground stem. Leaf: Venation, phyllotaxy, simple and compound leaves, functions and modifications; internal structure (dicot and monocot leaves).	
Departmental Meeting to Coordinate and Review the Monthly completion of Syllabus as per lesson plans				
October	01.10.2019	09.10.2019	Flower : As a modified shoot, functions; structure of anther and pistil;	Lecture Method, PPT
	10.10.2019	17.10.2019	Mid Semester Examination	
	18.10.2019	31.10.2019	structure and development of male and female gametophytes.	Lecture Method, PPT

Departmental Meeting to Coordinate and Review the Monthly completion of Syllabus as per lesson plans				
November	1.11.2019	30.11.2019	Double fertilization and its significance; different types of ovules and embryo-sacs.	Lecture Method, PPT
Departmental Meeting to Coordinate and Review the Monthly completion of Syllabus as per lesson plans				
December	2.12.2019	24.12.2019	Tentative P.U. Semester Examination	
Departmental Meeting to Coordinate and Review the Monthly completion of Syllabus as per lesson plans				

***Any of these** – (i) Lecture Method; (ii) PPT; (iii) Online Sources; (iv) Group Discussion; (v) Case Studies etc.
Other Methods adopted by the teacher – Please write the specific teaching method

Name of the Teacher/s: Dr. Aditi Shreeya Bali

Department: Botany

Class: B.Sc. (Med.) 2nd year

Subject: Paper B (STRUCTURE, DEVELOPMENT AND REPRODUCTION IN FLOWERING PLANTS-II)

Sections: A

S.No.	Date (Monthly)		Topics to be Covered	Academic Activity Undertaken*
	From	To		
January	03.01.2020	31.01.2020	Tissue systems: Meristematic, shoot apex, root apex; simple and complex permanent tissues, special tissues; internal structure of primary dicot stem & root (Helianthus); secondary growth in dicot stem & root (Helianthus); internal structure of monocot stem & root (Zea mays); differences between dicot stem and monocot stem; differences between dicot root and monocot root.	Lecture Method, PPT
Departmental Meeting to Coordinate and Review the Monthly completion of Syllabus as per lesson plans				
February	01.02.2020	29.02.2020	Anomalous stem structure in Boerhaavia, Nyctanthes, Mirabilis and Dracaena. Various methods of vegetative propagation; micropropagation, basic technique and its importance.	Lecture Method, PPT
Departmental Meeting to Coordinate and Review the Monthly completion of Syllabus as per lesson plans				
March	02.3.2020	30.3.2020	Types of pollination, advantages and disadvantages of self and cross-pollination, contrivances for self	Lecture Method, PPT

			and cross-pollination, various agencies to bring about cross-pollination, characters of flowers pollinated by different agencies	
Departmental Meeting to Coordinate and Review the Monthly completion of Syllabus as per lesson plans				
April	01.04.2020	19.04.2020	Seed formation: Development of endosperm and embryo. Fruit development, maturation and parthenocarpy. Significance of seed: Suspended animation; ecological adaptation and dispersal strategies.	Lecture Method, PPT
	20.4.2020	27.4.2020	Tentative PU Practical Examination	
Departmental Meeting to Coordinate and Review the Monthly completion of Syllabus as per lesson plans				
May	03.5.2020	30.5.2020	Tentative PU Semester Examination	
Departmental Meeting to Coordinate and Review the Monthly completion of Syllabus as per lesson plans				

*Any of these – (i) Lecture Method; (ii) PPT; (iii) Online Sources; (iv) Group Discussion; (v) Case Studies etc. Other Methods adopted by the teacher – Please write the specific teaching method