

**Koyana Education Society, Patan**  
**BALASAHEB DESAI COLEGE, PATAN**  
**DEPARTMENT OF BOTANY**

**Academic Year 2024-2025**  
**Monthly Teaching Plan**  
**Semester I**

**Class: B.Sc. I**

**Dr.M.R.Shinde**

**Paper No.: DSC II (Theory) Biomolecules and Cell Biology**

**Month: October**

Date	Theory/ Practical	Unit and Subunits	Teaching method and Aids
3/10/2024	P	Study of Mitosis	Lecture, Review lesson Teaching Aids Computer LCD PPT YouTube
3/10/2024		Meiosis: detailed study and significance	
4/10/2024		Difference between Mitosis and Meiosis	
10/10/2024	P		
10/10/2024		Cell organelles: plant cell and its organelles	
11/10/2024		Structure and function of Nucleus	
17/10/2024	P	Study of Cell organelles with the help of Models	
17/10/2024		Structure and function of Chloroplast	
18/10/2024		Structure and function of Mitochondria	
24/10/2024	P	Study of effect of organic solvent on permeability of Plasma membrane	
24/10/2024		Structure and function of Ribosomes	
25/10/2024		Structure and function of peroxisomes	

**B.Sc.II**

Date	Theory/ Practical	Unit and Subunits	Teaching method and Aids
1/10/2024		Study of structural variations in chromosomes	Lecture, Review lesson Computer LCD PPT YouTube
04/10/2024	P	Karyotypic study in Plants	
7/10/2024	P	Genetic Examples of crossing over	
7/10/2024		DNA Replication: Central Dogma	
8/10/2024		DNA Replication: Central Dogma	
9/10/2024		DNA Replication: Central Dogma of Molecular Biology	
11/10/2024		DNA Replication and Enzymes involved	
14/10/2024	P		
14/10/2024		DNA Replication and Enzymes involved	
15/10/2024		You tube video on multi media center at College	
16/10/2024		DNA Replication and Enzymes involved	
16/10/2024	P	You tube video shown in Multi media	
21/10/2024	P	You tube video shown in Multi media	
21/10/2024		Concept of Genetic code	
22/10/2024		Concept of Genetic code	
23/10/2024		Notes given to students	
25/10/2024	P	Genetic Examples of crossing over	

**Diwali Vacation 26/11/2024 to 11/11/2024**

*MP Shinde*

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ता. पाटण, जि. सातारा