

**Koyana Education Society, Patan**  
**BALASAHEB DESAI COLLEGE, 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: September

Date	Theory/ Practical	Unit and Subunits	Teaching method and Aids
5/09/2024	P	Study of vegetative and Reproductive structures of <i>Nostoc</i> and <i>Spirogyra</i>	Lecture, Review lesson Teaching Aids Computer LCD PPT YouTube
05/09/2024	T	Cell: Introduction Prokaryotic cell	
06/09/2024	T	Cell :Eukaryotic cell	
12/09/2024	P	Study of Qualitative tests for Carbohydrates, Lipids and Proteins	
12/09/2024	T	Cell Wall and Cell membrane : Introduction, Structure of	
13/09/2024	T	Structure of Cell wall and Function of Cell wall	
19/09/2024	P	Study of Plant cell structure with the help of epidermal peel	
19/09/2024	T	Plasma membrane: Fluid Mosaic model	
20/09/2024	T	Cell Division : Introduction , Types of cell division	
26/09/2024	P	Mitosis : detailed study	
26/09/2024	T	Mitosis detailed study and significance	
27/09/2024	T	Meiosis detailed study	

**B Sc.II**

Date	Theory/ Practical	Unit and Subunits	Teaching method and Aids
02/09/2024	P	Maceration Techniques	Lecture, Review lesson Teaching Aids Computer LCD PPT YouTube
02/09/2024	T	Forms of DNA A,B, Z	
03/09/2024	T	RNA Structure: mRNA	
04/09/2024	T	RNA Structure: rRNA	
06/09/2024	P	Study of Mendel's Law through suitable phenotypic Traits	
09/09/2024	P	Maceration Techniques	
10/09/2024	T	RNA Structure: tRNA	
11/09/2024	T	Nucleic Acids; DNA structure	
13/09/2024	P	Study of Mendel's Law through suitable phenotypic Traits	
17/09/2024	T	Significance of Nucleic Acids	
18/09/2024	T	DNA as a genetic material: Griffith's Experiment	
20/09/2024	P	Genetic Example of Linkage	
23/09/2024	P	Genetic Example of Crossing over	
23/09/2024	T	<b>DNA Replication: Concept</b>	
24/09/2024	T	<b>DNA Replication: Concept</b>	
25/09/2024	T	You tube video shown in Multi media	
27/09/2024	P	Journal completion and checking	
30/09/2024	P	Study of Mendel's Law through suitable phenotypic Traits	
30/09/2024	T	Question Answer Session	

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प्राचार्य  
बाळासाहेब देसाई कॉलेज, पाटण  
ता. पाटण, जि. सातारा