Lecture Schedule

Sl. No.	Description	Hrs	Mode
1	Plant cell and organelles structure	15	Photomicrographs
2	Extra nuclear genomes	2	Photomicrographs
3	Mitotic division	6	Squash – root tip
4	Meiotic division	6	Smear – flower
5	Complementary colour	3	Experiment
6	Estimation of starch	4	Starch test
7	Estimation of protein	3	Lowry's method
8	Paper chromatography	3	Experiment
9	Qualitative test for carbohydrates, proteins & lipids	3	Experiment
Total		**45**	

Course Learning Outcomes

On successful completion of the course, the students will be able to know, understand, apply and analyse

CLOs	CLO Statement	Knowledge Level
CLO-1	The structure of plant cell types	**Up to K4**
CLO-2	The extra nuclear genome structures	**Up to K4**
CLO-3	Identify and record the cell structure and cell organelles	**Up to K4**
CLO-4	Illustrate the cell division	**Up to K4**
CLO-5	Estimate and Distinguish the biomolecules	**Up to K4**

Mapping Programme Specific Outcomes with Course Learning Outcomes

	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5	PSO-6	PSO-7	PSO-8	PSO-9
CLO-1	3	2	1	3	3	2	2	3	3
CLO-2	3	3	2	2	2	3	3	3	3
CLO-3	3	3	3	2	1	2	3	3	3
CLO-4	3	3	3	2	1	2	3	3	3
CLO-5	3	3	3	2	1	2	3	3	3

3 - Advance Application; 2 - Intermediate Level; 1 - Basic Level

Mapping Programme Outcomes with Course Learning Outcomes

	PO-1	PO-2	PO-3	PO-4	PO-5
CLO-1	3	3	1	2	2
CLO-2	3	3	2	2	3
CLO-3	3	3	3	3	2
CLO-4	2	2	2	2	3
CLO-5	1	2	2	3	2

3 - Advance Application; 2 - Intermediate Level; 1 - Basic Level