

CELL AND MOLECULAR BIOLOGY AND GENETIC ENGINEERING

Semester	Subject Code	Category	Lecture	Theory	Practical		Credits
II	21CPBT21	Core Practical - I	0	0	4 hrs per week	120	4

COURSE OBJECTIVE:

- To create an opportunity to students for experimentally testing the principles and concepts studied in respective theory.

LIST OF EXPERIMENTS:

1. Cell fractionation
2. Replica plating.
3. Isolation of Genomic DNA from Bacteria
4. Isolation of Plasmid DNA from Bacteria
5. DNA Molecular size determination by Agarose Gel Electrophoresis
6. Restriction digestion
7. Ligation
8. PCR
9. SDS-PAGE
10. Southern blotting