

BACHELOR OF SCIENCE IN BIOTECHNOLOGY

SEMESTER – I

Laboratory Course-II

Paper Code: BTP-106

BTP106: Laboratory course- II: Biochemistry-I & Cell Biology (Max. marks 80+20=100)

1. Precipitation test of proteins.
2. Quantitative analysis of fat.
3. Determination of pKa value of amino acids.
4. Biochemical analysis of plant sample.
5. Use of micrometer and calibration, measurement of onion epidermal cells and yeast.
6. Cytological preparations: Fixation, dehydration and staining, squash in stain, embedding and sectioning.
7. Cell division: Mitotic and meiotic studies in onion root tips and flower buds.
8. Separation of cell types (from blood), differential staining.
9. Study of permanent slides of protozoan parasites (any seven).

Teachers will supply printed detailed instructions, procedure of the experiments.
