

BACHELOR OF SCIENCE IN BIOTECHNOLOGY

SEMESTER – III

Laboratory Course-V

Paper Code: BTP-305

BTP305: Laboratory course- V: Biochemistry-II (Max. marks 80+20=100)

1. Determination of absorption spectra of Nucleic acids
2. Absorption spectra of protein
3. Thermal denaturation of DNA
4. Assay of microbial enzymes (any two) - Amylase, Protease, Catalase, Urease, Galactosidase, Alcohol dehydrogenase, Cellulase & Glucose oxidase.
5. Molecular weight determination of enzymes / proteins by Gel filtration, SDS-PAGE.
6. Isolation & Assay of microbial enzymes (any one) - Catalase, Amylase, Pyrophosphatase, Protease, Invertase.
7. Enzyme Kinetics: enzyme concentration curves, pH curve, determination of K_m and V_{max}

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