

BACHELOR OF SCIENCE IN BIOTECHNOLOGY

SEMESTER – IV

Laboratory Course-VII

Paper Code: BTP-405

BTP405: Laboratory course- VII: Biostatistics & Microbiology (Max. marks 80+20=100)

1. Techniques of sampling.
2. Application of probability of CRD and RBD experimental design.
3. Analysis of simple correlation and regression.
4. Staining techniques: Simple, negative Staining , Gram Staining, Endospore Staining and Fungal staining
5. Media preparation: nutrient agar, Nutrient broth preparation, Cotton plugging
6. Isolation of Bacteria and fungi from soil, air, water.
7. Estimation of Microorganisms : Total count (haemocytometer)
8. Antibiotic sensitivity test- Paper Disc method.

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