



MANGALORE UNIVERSITY
DEPARTMENT OF BIOSCIENCES
M.Sc. ENVIRONMENTAL SCIENCE

ESP408 BIOLOGICAL CHEMISTRY LAB

Course Outcomes:

CO1 Test different types of carbohydrates qualitatively.

CO2 Learn the principles of spectrophotometry.

CO4 Estimate various amino acid detection tests.

CO5 Understand protein precipitation reactions.

1. Determination of amines and amino acids.
2. Determination of carbohydrates.
3. Qualitative tests for the identification of monosaccharides, disaccharides and polysaccharides.
4. Qualitative tests for proteins, lipids and NPN substances.
5. Precipitation reactions of proteins.
6. Spectrophotometric estimation of serum protein, blood sugar, urine creatinine, blood urea, plant phenolics and ascorbic acid.