

Practical module 1

1. Estimation of carbohydrates (Coles, DNS and Anthron method)
2. Estimation proteins (Folin, Bradford and Biurates)
3. Estimation of lipid
4. Estimation of RNA/DNA
5. Enzyme assay 1. Amylase 2. Phosphatase 3. Protease 4. Lipase 5 invertase 6 glucose oxidase
6. Effect of 1pH, 2temperature, 3substrate, 4 enzyme concentration on enzyme activity
7. Enzyme inhibition study
8. Physical and chemical analysis of waste water -turbidity, pH,TS,TDS,TSS solid,DO,BOD,COD,Chloride,Phosphorous,Fluoride,Sodium,Nitrite,Nitrate,Ammonia, Phosphate,Sulfate, Hardness.s
9. Microbiological analysis of waste water. -SPC,MPN
10. Isolation of bacteriophage.

Practical module 2

1. Study of bacterial cell staining-Simple ,differential and special staining of bacterial cells.
2. Study of mitosis and meiosis.
3. Staining of eukaryotic cell organelles.
4. Total count of blood cells.
5. Estimation of hemoglobin.
6. Estimation of creatinine.
7. Estimation of SGPT activity from blood sample.
8. Estimation of urea.
9. Differential count of blood cells.
10. Study of antigen antibody interaction-precipitation and agglutination.
11. Study of ELISA.