

## **BCC 103-P ANALYTICAL BIOCHEMISTRY – I [P]**

**Practical Course Credit : 1**

**Contact Hours : 30**

1. Preparation of buffers, use of pH meter
2. Spectrophotometric demonstration of Beer Lambert Law and determination of extinction coefficient
3. Visualization of cells – Light, Phase contrast
4. Separation of lipids by reverse phase thin layer chromatography
5. Column chromatography: Preparation of column, determination of void, bed, dead volume, loading capacity and resolution.
6. Measurement of fluorescence by spectrofluorimeter.
7. Demonstration of AAS.

### **Reference Books (Composite list for theory and practicals)**

1. Colowick, S. P., Kaplan, Nathan O., Methods in Enzymology, Academic Press.
2. Norris, R., Ribbons, D.W., Molecular Cellular Microbiology. *In* Methods in Microbiology
3. Parakhia, Manoj V., Tomar, Rukam S., Patel, Sunil., Golakiya, B. A., Molecular Biology and Biotechnology: Microbial Methods
4. Wilson, K, Walker, J.: Principles and Techniques of Practical Biochemistry. Kluwer Academic Publishers