

Analytical Chemistry

Modern Techniques of Chemical Analysis –I (Credits: 02) Paper Code DSEAC-V (Section A)

CO- I Learn basic knowledge of IR spectroscopy & operation of IR instrument.

CO-II Get basic knowledge of ¹H NMR its operation and applications.

CO-III Understand fundamental knowledge of Mass spectrometry and applications.

CO-IV Familiar with fluorometer and its applications

Applied Analytical Chemistry –I (Credits: 02) Paper Code DSEAC-V (Section B) Paper – XIII

Course Outcome(s) CO- I Understand the concepts of environmental air & water pollution analysis.

CO-II Aware the knowledge of industrial effluents, soil pollution and its analysis.

CO-III Illustrate the physico-chemical analysis of food & food products.

CO-IV Aware the composition, advantages & disadvantages of cosmetics.

Fundamentals of Analytical Chemistry (Credits: 02) Paper Code DSEAC-V (Section B) Paper – XIII (Elective)

Course Outcome(s) CO- I Create awareness of behavior in laboratory.

CO-II General awareness about quality standards in analytical chemistry.

CO-III Learn the statistical concepts and data interpretations.

CO-IV Familiar the students with basic concepts, principles of sampling and hypothesis testing.

LABORATORY COURSE – IV (Credits: 02)

Course Outcome(s) Students can able to handle instruments and perform basic procedures like volumetric analysis and ion exchange chromatography.

LABORATORY COURSE – IV (Credits: 02) Elective

Course Outcome(s) Students can able to handle instruments and perform basic procedures for analysis of food and fertilizers