



## **19CH103- ENGINEERING CHEMISTRY**

### **Unit-5 INSTRUMENTAL METHODS OF ANALYSIS**

#### **INTRODUCTION**

Analytical instrumentation plays an important role in the production and evaluation of new products and in the protection of consumers and environment. It is used in checking the quality of raw materials such as substances used in integrated circuit chips, detection and estimation of impurities to assure safe foods, drugs, water and air, process optimization and control, quality check of finished products and research and development. Most of the modern instruments are microprocessor/computer controlled with user friendly software for collection of data, analysis and presentation. This chapter deals with the different types of analytical instrumental methods that find use in a variety of industries.