

INORGANIC CHEMISTRY (BS-ADP 7th Semester)

Module Code:	Chem-413
Module title:	Inorganic chemistry Lab - III
Name of Scheme:	BS-ADP 7th Semester
Department:	School of Chemistry
Faculty:	Science
Module Type:	Compulsory
Module Rating:	1 credit

OBJECTIVES

The aim of this course is to interpret the concepts for better understanding in inorganic chemistry. This course will familiarize the students use of organic reagents for the estimation of various metal ions, instrumental methods of analysis. This student will also learn about the identify acid and basic radicals of given salt by chemical analysis.

SYLLABUS OUTLINE:

1. Salt Analysis:

Identify acid and basic radicals of given salt by chemical analysis.

2. Chromatographic Techniques

- a) Separation of metal ions by paper chromatography and their identification with the help of locating agents and comparison of R_f values.
- b) Separation of anions by paper chromatography and their identification.

RECOMMENDED BOOKS:

1. Vogel, Arthur I. A Text-Book Of Quantitative Inorganic Analysis-Theory And Practice. Longmans, Green And Co.; London; New York; Toronto, 2013.
2. Rabia Rehman and Haq Nawaz Bhatti, "Experimental Inorganic Chemistry", Carvan Book House Lahore in 2015.
3. Haq Nawaz Bhatti and Rabia Rehman "Advanced Experimental Inorganic Chemistry" Carvan Book House Lahore in 2017.
4. Mendham, John. Vogels textbook of quantitative chemical analysis. Pearson Education India, 2006.