

INORGANIC CHEMISTRY (BS-ADP 7th Semester)

Module Code:	Chem-409
Module title:	Inorganic Chemistry Lab - I
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 cations and anions.

SYLLABUS OUTLINE:

1. Use of organic reagents for the estimation of various ions;

(At least any four of the following):

- (a)** 8-Hydroxyquinoline (Al^{3+} , Ti^{3+} , Fe^{3+})
- (b)** Pyrogallol (Bi^{3+})
- (c)** Nitron (NO_3^{-1})
- (d)** Salicyladoxime (Ni^{2+} in presence of Cu^{2+})
- (e)** Anthranilic acid (Cd^{2+} , Zn^{2+} , Co^{2+})

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.