

INORGANIC CHEMISTRY (BS-ADP 7th Semester)

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| Module Code: | Chem-411 |
| Module title: | Inorganic Chemistry Lab - II |
| 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.

SYLLABUS OUTLINE:

1. Instrumental methods of analysis:

Colorimetry:

- i).** Micro determination of chromium by diphenylCarbazide.
- ii).** Determination of iron(II) by 1, 10 Phenanthroline.
- iii).** Determination of nickel (II) by DMG
- iv).** Determination of Pb (II) by Dithizone.

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.