

ORGANIC CHEMISTRY (BS-ADP 6th Semester)

Module Code:	Chem-327
Module title:	Organic Chemistry Lab
Name of Scheme:	BS-ADP 6th Semester
Department:	School of Chemistry
Faculty:	Science
Module Type:	Compulsory
Module Rating:	1 Credit

OBJECTIVES

To gain experimental skills for different organic transformations, separation and identification of two components in a mixture of unknown compounds via systematic physical and chemical tests.

SYLLABUS OUTLINES:

1. Organic Preparations

Synthesis of aromatic nitro, halogens, amines, carboxylic acid, aldehyde and related compounds. (Depending upon the availability of chemicals and reagents)

2. Quantitative and Qualitative Analysis of Organic compounds

Mixture Analysis

Physical/ Chemical separation of mixture containing two Compounds, identification, confirmation and derivatization.

RECOMMENDED BOOKS:

1. The Systematic Identification of Organic Compounds (8th Ed.) by R.L. Shriner et al., Wiley, 2003.
2. Practical Organic Chemistry by F.G. Mann and B.C. Saunders, Longman, UK. 1978.
3. Vogel's Textbook of Practical Organic Chemistry (5th Ed.) by A.I. Vogel et al. Longman, UK, 1989.
4. Advanced Practical Organic Chemistry, by J. Leonard, B. Lygo, G. Procter, CRC. 1994.
5. Advanced Practical Organic Chemistry (2nd Ed.) by N.K. Vishnoi, Vikas Publishing House Pvt. Ltd. India, 1996.