

ORGANIC CHEMISTRY (BS-ADP 7th Semester)

Module Code:	Chem-418
Module title:	Organic Chemistry Lab - II
Name of Scheme:	BS-ADP 7th Semester
Department:	School of Chemistry
Faculty:	Science
Module Type:	Compulsory
Module Rating:	1 credit

OBJECTIVES:

To gain experimental skills for separation, purification by chromatography (TLC, etc) and analysis of different organic compounds by spectroscopy (UV, IR).

SYLLABUS OUTLINES:

1. Chromatography and Spectroscopy

Separation of mixtures of different organic compounds and isomers (Nitroanilines, bromoanilines, nitro and bromophenols etc) by silica chromatography and identification by spectroscopy (UV-Vis. IR etc).

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.