

BS (4 Years) for Affiliated Colleges



Code	Subject Title	Cr. Hrs	Semester
CHEM-430	Organic Chemistry (Sp. Practical)	2	VIII
Year	Discipline		
4	Chemistry		

SYLLABUS OUTLINE:

Organic Synthesis:

- (a) Multi-step preparation and spectroscopic characterization: *p*-nitroaniline from aniline; *p*-bromotoluene from *p*-toluidine, *o*-Bromotoluene from *o*-toluidine
- (b) Preparation, separation and identification of regio-isomers: *o*-nitrotoluene and *p*-nitrotoluene from toluene; *o*-nitrosophenol and *p*-nitrosophenol from phenol

RECOMMENDED BOOKS:

1. Practical Organic Chemistry by F. G. Mann and B. C. Saunders, 1978, Longman, UK, 1978.
2. Vogel's Textbook of Practical Organic Chemistry (5th ed.) by A.I. Vogel, A.R. Tatchell, B.S. Furnis, A.J. Hannaford, P.W.G. Smith, Longman UK, 1989.
3. Advanced Practical Organic Chemistry, by J. Leonard, B. Lygo, G. Procter, CRC. 1994.
4. Advanced Practical Organic Chemistry (2nd ed.) by N. K. Vishnoi, Vikas Publishing House Pvt Ltd. India, 1996.