

## BS (4 Years) for Affiliated Colleges



Code	Subject Title	Cr. Hrs	Semester
<b>CHEM-411</b>	<b>Organic Chemistry (Sp. Practical)</b>	<b>2</b>	<b>VII</b>
Year	Discipline		
<b>4</b>	<b>Chemistry</b>		

### **SYLLABUS OUTLINE:**

**1. Qualitative analysis:**

Three component organic mixture analysis (separation and identification of the unknown components)

**2. Chromatography and Spectroscopy:**

Separation of mixtures by chromatography and identification by spectroscopy

### **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. The Systematic Identification of Organic Compounds,(8th ed.) by Ralph L. Shriner et al., Wiley, 2003.
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.