

SARDAR PATEL UNIVERSITY
Programme: MSC (Pharmaceutical Chemistry)
Semester: III
Syllabus with effect from: June 2010

Paper Code: PS03CPCH05	Total Credits: 4
Title Of Paper: Practicals - II	

Unit	Description in detail	Weightage (%)
1	Group – A: Effect of pH and solvent on UV Spectrum of certain drugs. Water analysis (COD, Total Hardness, TDS.) Determination of pKa value.	50 %
2	Group – B: Estimation and analysis of various commercial drugs and drug intermediates using conventional and instrumental techniques viz: Aspirin, Analgin, Isoniazid, Iron tablet, Antacid, Sulpha drug, Hydrogen peroxide, Glycine, Formalin, Vitamin – C, Paracetamol etc.	50 %

Basic Text & Reference Books:

- Organic Qualitative analysis by Vogel's, Longman; ISBN-13: 9780582442504; ISBN: 0582442508.
- A Text book of Practical Organic Chemistry by Vogel's, Longman; ISBN-13: 9780582442504; ISBN: 0582442508.
- Elementary Practical Organic Chemistry by Vogel's, Part I, II, & III (ELBS); ISBN: 81-239-1033-9.
- Practical Organic Chemistry by Mann and Saunders; Orient Logmann Publisher; OLBN: 0-00209-058-9.
- Comprehensive Practical Organic Chemistry: Volume – I & II by V. K. Ahluwalia, Universities Press (India) Pvt. Ltd; ISBN-13: 9788173712739; ISBN: 8173712735.
- Indian Pharmacopoeia 1996: Volume I (A-O) and Volume II (P-Z), Addendum 2000 and Addendum 2002 (Set of 4 Vols.) Publisher: Controller of Publications, Delhi, New Delhi, India; ISBN-13: 9788190065801; ISBN: 8190065807.
- The Theory and practice of Industrial pharmacy, by Lachman, Leon; Lieberman, Herbert A.; Kanig, Joseph L; Publisher: Lea & Febiger, Philadelphia, ISBN-13: 9780812109771; ISBN: 0812109775.
- Introduction to pharmaceutical dosage forms, Howard C. Ansel; Publisher: Lippincott Williams and Wilkins; ISBN-13: 9780812109566; ISBN: 0812109562.
- Quality Control in Pharmaceutical Industry – Vol : 1,2,3 Editor: Muray S. Cooper, Academic Press.

