

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

Paper Code: PS03CPCH04	Total Credits: 4
Title Of Paper: Practicals – I	

Unit	Description in detail	Weightage (%)
1	Group – A: To separate & identify the given unknown organic ternary mixture.	50 %
2	Group – B: To carry out the synthesis of heterocyclic compounds (3 - 4 steps) (viz. Flavones, Quinolines, Quinazolines, Coumarins, Thiadiazoles, Oxadiazoles, Triazoles etc using basic unit processes, unit operations and analytical techniques viz. TLC.	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.

