

PAPER CODE: 1SC2030305	TITLE OF PAPER: ORGANIC CHEMISTRY PRACTICAL
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Teaching scheme (hours) per week		Credit		Theory Marks		Practical Marks		Total
Theory	Practical	Theory	Practical	University Assessment	Cont. Assessment	University Assessment	Cont. Assessment	
-	8	-	8	-	-	120	80	200

- (1) Identification of the organic comp. by IR, NMR, MASS spectra(Any four)
- (2) Organic Synthesis [Purity by TLC](Any Five)
- (3) Estimation of drugs and organic functional group by Uv spectrophotometer(Any four)
- (4) Isolation of natural product (Any three)
- (5) Purification of mixture of comp. by column chromatography(Any three)

List of books

1. *A text book of practical organic chemistry* – A. I. Vogel
2. *Practical organic Chemistry* – Mann and Saunders
3. *A handbook of quantitative and qualitative analysis* – H. T. Clarke
4. *Comprehensive Practical Organic Chemistry: Qualitative Analysis* V K Ahluwalia & S. Dhingra.
5. *Comprehensive Practical Organic Chemistry* : Preparations and Quantitative Analysis V K Ahluwalia & R. Aggarwal Universities Press.
6. *An Advance Course in practical Chemistry*, A K. Nad, B. Mahapatra and A. Ghoshal. 7. *Vogels Textbook of Quantitative Chemical Analysis*, 6 The Edition, 2002.
8. *Advanced Practical Inorganic Chemistry*, Gurdeepraj, Goel Publishing House, 2001.
9. *An Advanced Course in Practical Chemistry*, A.K. Nad, B. Mahapatra, A. Ghosal, New Central Book Agency, 2004
10. *Practical physical chemistry* –J.B.Yadav
11. *Practicals in physical chemistry* – P.S.Sindhu
12. *Experimental physical chemistry* – R.C.Das, B.Behera
13. *Experiments in physical chemistry*- P.H.Parsania, F. Karia
14. *Analytical Chemistry Practice*, John H. Kennedy, Saunders College Publishing, Second Edition 1990.
15. Vogel A. I. *Practical Organic Chemistry*, Longman Group Ltd.
16. Bansal R. K. *Laboratory Manual of Organic Chemistry*, Wiley-Eastern.
17. . Ahluwalia V. K. and Aggarwal R. *Comprehensive practical organic chemistry*, University press.
18. Nad A. K.; Mahapatra B. and Ghoshal A. *An advanced course in practical chemistry*, New Central Book Agency (P) Ltd