

**M.Sc. Semester-III**  
**Organic Chemistry Practical**  
**CHNN-606-(O) & CHNN-607-(O)**

**1) Organic Separation:**

Separation, Purification and Identification of three Compounds (Trinary Mixture) 10 grams Organic Mixture by Semi Micro Method- Preparation of Derivative. (Minimum Five Mixtures should be done).

**2) Organic Estimation (Semi Micro Methods):**

1. Estimation of Penicilline
2. Estimation of Amino acids
3. Estimation of Sulphadrugs
4. Estimation of Enol group
5. TLC of Dyes

**Organic Preparation:**

Two & Three stage preparation from 4 & 5 grams starting materials (semi micro method) Minimum five should be done including name reactions.

**Basic Text & Reference Books:**

1. Vogel's Textbook of practical organic chemistry, 5th edition, B. S. Furniss, A. J. Hannaford, P. W. G. Smith, A. R. Tatchell (Pearson Education)
2. Comprehensive Practical Organic Chemistry: Qualitative Analysis, V. K. Ahluwalia, Sunita Dhingra (Universities Press)
3. Organic structures from spectra, 5<sup>th</sup> edition, L. D. Field, S. Sternhell, J. R. Kalman (Wiley: A John Wiley & Sons Ltd publication)
4. Elementary Organic Spectroscopy: Principles and Chemical applications (revised edition), Y. R. Sharma (S. Chand Publishing)