

II Year B.Tech. Chemical II - Semester

L T P To C

- - 3 3 2

(HS208) ORGANIC CHEMISTRY LAB.

Objective of the Course:

The lab provides a good practical knowledge of identification of different organic compounds, analysis and detection of extra elements in functional groups.

I. Criteria of purity of solid and liquid compounds

1. Determination of Melting point
2. Determination of Boiling point

II. Detection of extra elements in organic compounds

3. Nitrogen
4. Sulphur
5. Halogens

III. Identification of an unknown substance from the following organic compounds

6. Acids
7. Alcohols
8. Aldehydes
9. Amides
10. Amines
11. Carbohydrates
12. Esters
13. Ketones
14. Nitro Group
15. Phenols

TEXT BOOK:

1. A.I Vogel Pearson, "Elementary Practical Organic Chemistry", Publications, 2000.