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## **ICP 507: SYSTEMATIC QUALITATIVE ANALYSIS AND IDENTIFICATION OF ORGANIC COMPOUNDS**

### **Course Objectives:**

- To learn separation and estimation of binary mixture.
- To understand the identification of organic compounds by using spectroscopic technique such as  $^1\text{H-NMR}$ , FT-IR, MASS,  $^{13}\text{C-NMR}$ .

1. Separation and estimation of binary mixtures.

2. Structural elucidation of organic compounds by spectroscopic techniques.

### **Course Outcomes:**

- Students learn about separation and estimation of binary mixtures
- Students can able to identify functional groups and determine the structure of organic compounds by spectroscopic techniques. -ಬೆಳಕು

### **References:**

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4. Elementary Practical organic chemistry, Part 2: Quantitative organic analysis by Arthur I. Vogel, 2<sup>nd</sup> Edition, CBS Publishers and distributors, 1987.