

**(B. Pharm)**  
**(Semester - II)**

| L | T | P | C |
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| <b>Course Code</b>  | <b>BP208P</b>   |
| <b>Course Title</b> | <b>Pharmaceutical Organic Chemistry I - Practical</b> |

**Syllabus:****Teaching hours: 60 Hours**

1. Systematic qualitative analysis of unknown organic compounds like
  - a. Preliminary test: Color, odour, aliphatic/aromatic compounds, saturation and unsaturation, etc.
  - b. Detection of elements like Nitrogen, Sulphur and Halogen by Lassaigne's test
  - c. Solubility test
  - d. Functional group test like Phenols, Amides/Urea, Carbohydrates, Amines, Carboxylic acids, Aldehydes and Ketones, Alcohols, Esters, Aromatic and Halogenated Hydrocarbons, Nitro compounds and Anilides.
  - e. Melting point/Boiling point of organic compounds
  - f. Identification of the unknown compound from the literature using melting point/boiling point.
  - g. Preparation of the derivatives and confirmation of the unknown compound by melting point/boiling point.
  - h. Minimum 5 unknown organic compounds to be analysed systematically.
2. Preparation of suitable solid derivatives from organic compounds
3. Construction of molecular models

L= Lecture, T= Tutorial, P= Practical, C= Credit

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