

BP208P. PHARMACEUTICAL ORGANIC CHEMISTRY -I (Practical)

Practicals Syllabus:

4 Hours / Week

S. No.	PRACTICALS
A.	Systematic qualitative analysis of unknown organic compounds like;
1.	Preliminary test: Colour, odour, aliphatic/aromatic compounds, saturation and unsaturation, etc.
2.	Detection of elements like Nitrogen, Sulphur and Halogen by Lassaigne's test.
3.	Solubility test.
4.	Functional group test like Phenols, Amides/ Urea, Carbohydrates, Amines, Carboxylic acids, Aldehydes and Ketones, Alcohols, Esters, Aromatic and Halogenated Hydrocarbons, Nitro compounds and Anilides.
5.	Melting point/Boiling point of organic compounds.
6.	Identification of the unknown compound from the literature using melting point/boiling point.
7.	Preparation of the derivatives and confirmation of the unknown compound by melting point/ boiling point.
8.	Minimum 5 unknown organic compounds to be analysed systematically.
B.	Preparation of suitable solid derivatives from organic compounds.
C.	Construction of molecular models.