

BP607P. MEDICINAL CHEMISTRY- III (Practical)

Practicals Syllabus:

4 Hours / Week

S. No.	PRACTICALS
I	Preparation of drugs/ intermediates
1.	To prepare the Sulphanilamide drug.
2.	To prepare the 7-Hydroxy, 4-methyl coumarin intermediate.
3.	To prepare the Chlorobutanol intermediate.
4.	To prepare the Triphenyl imidazole intermediate.
5.	To prepare the Tolbutamide drug.
6.	To prepare the Hexamine intermediate.
II	Assay of drugs
7.	To perform the assay of Isonicotinic acid hydrazide drug.
8.	To perform the assay of Chloroquine drug.
9.	To perform the assay of Metronidazole drug.
10.	To perform the assay of Dapsone drug.
11.	To perform the assay of Chlorpheniramine maleate drug.
12.	To perform the assay of Benzyl penicillin drug.
III	To prepare the medicinally important compounds or intermediates by Microwave irradiation technique
IV	To draw the chemical structures and reactions using chem draw®
V	Determination of physicochemical properties such as logP, clogP, MR, Molecular weight, Hydrogen bond donors and acceptors for class of drugs course content using drug design software Drug likeliness screening (Lipinskies RO5)