

(B. Pharm)
(Semester - III)

L	T	P	C
-	-	4	2

Course Code	BP305P
Course Title	Pharmaceutical Organic Chemistry II – Practical

Syllabus:

Teaching hours: 60 Hours

I. Experiments involving laboratory techniques:

- Recrystallization
- Steam distillation

II. Determination of following oil values (including standardization of reagents):

- Acid value
- Saponification value
- Iodine value

III. Preparation of compounds:

- Benzanilide/Phenyl benzoate/Acetanilide from Aniline/ Phenol /Aniline by acylation reaction.
- 2,4,6-Tribromo aniline/Para bromo acetanilide from Aniline.
- Acetanilide by halogenation (Bromination) reaction.
- 5-Nitro salicylic acid/Meta di nitro benzene from Salicylic acid / Nitro benzene by nitration reaction.
- Benzoic acid from Benzyl chloride by oxidation reaction.
- Benzoic acid/ Salicylic acid from alkyl benzoate/ alkyl salicylate by hydrolysis reaction.
- 1-Phenyl azo-2-naphthol from Aniline by diazotization and coupling reactions.
- Benzil from Benzoin by oxidation reaction.
- Dibenzal acetone from Benzaldehyde by Claisen Schmidt reaction.
- Cinnamic acid from Benzaldehyde by Perkin reaction.
- *P*-Iodo benzoic acid from *P*-amino benzoic acid.

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