

BACHELOR OF SCIENCE in CHEMISTRY (HONS)
SEMESTER – II

Organic Chemistry Practical
Paper Code: CH-202P

CH-202P: ORGANIC CHEMISTRY

PRACTICAL: 25 Marks
45 Hours

1. Determination of melting points: Naphthalene 80-82⁰C, Benzoic acid 121.5-122⁰C, Urea 133.5-135⁰C, Succinic acid 184.5- 185⁰C, trans-Cinnamic acid 133.5-135⁰C, cis-Cinnamic acid 58⁰C, Salicylic acid 157.5- 158⁰C, Acetanilide 113.5-114⁰ , m-Dinitrobenzene 90⁰ , p-Dichlorobenzene 52⁰ , Aspirin 135⁰C.
2. Determination of boiling point: Ethanol 78⁰ , Cyclohexane 81.4⁰ , Toluene 110.6⁰ , Benzene 80⁰C.
3. Mixed melting point determination: Urea-Cinnamic acid mixture using of various compositions (1:4, 1:1, 4:1)
4. Distillation: Simple distillation of ethanol-water mixture using water condenser, Distillation of nitrobenzene and aniline using air condenser.
5. Crystallization: Concept of induction of crystallisation, Benzoic acid from water,
6. Decolourisation and crystallisation using charcoal: Decolourisation of brown sugar (sucrose) with animal charcoal using gravity filtration.
