

2023
Chemistry (H)
CBCS
B.Sc. Third Semester End Examination - 2023
PAPER - SEC-1P
(Practical)

Full Marks : 15

Time : 2 hours

The figures in the right-hand margin indicate marks.

Candidates are required to give their answers in their own words as far as practicable.

Illustrate the answers wherever necessary.

Carry out the following experiment 10

1. Prepare an organic compound by the given procedure and report :

(i) Report the yield of the product.

(ii) Submit the recrystallized product.

(iii) Note the melting point of the recrystallized product.

3. Laboratory Note Book 2

4. Viva-Voce 3

(Turn Over)

(2)

Preparation procedure : Take 2.0 gm salicylic acid and 5mL acetic anhydride in a 100 mL stoppered conical flask and mixed accordingly. Then 0.5 mL conc. H_2SO_4 is added to it and the mixture is warmed at 50-60°C on a water bath for 20 minutes with constant stirring. The mixture is allowed to cool with occasional stirring, then 60mL water is added to it, stirred and filter under suction. The product is recrystallized, dried, yield and M.P. will be determined.