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B.Sc./2nd Sem (H)/CHEM/Pr/22(CBCS)

2022

2nd Semester Examination

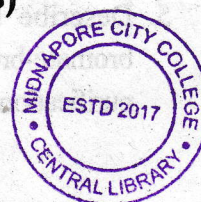
CHEMISTRY (Honours)

Paper : C 4-P

Organic Chemistry - II

[Practical]

[CBCS]



Full Marks : 20

Time: Three Hours

*The figures in the margin indicate full marks.
Candidates are required to give their answers
in their own words as far as practicable.*

Group - A

Answer any *one* question :

1×5=5

1. Why is it necessary to recrystallize the product of a chemical reaction ? Write a brief note on "crystallization in mixed solvent".
2. During determination of melting point, why an organic compound melted over a 3-4 degree temperature range (for example, m. pt. = 51-54 °C) and how is the melting point indicating purity of compound.
3. Write down the procedure for acetylation of p-toluidine.

P.T.O.

(2)

Group - B

Answer any *one* question :

1×10=10

4. Describe briefly bromination of acetanilide following green approach (procedure-07 and process of purification-03).
5. Describe briefly the bromination of anilides using bromate-bromide method. (procedure-07 and process of purification-03)

Group - C

6. (a) Laboratory note book duly signed by the class teacher. 2
- (b) Viva-voce. 3

