

Total No. of Printed Pages:1

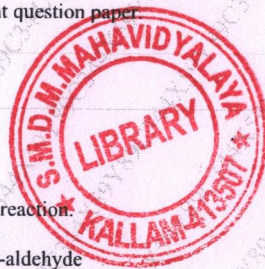
SUBJECT CODE NO: - BNP-2721
FACULTY OF SCIENCE AND TECHNOLOGY
B.Sc. (NEP) (P-2024) S.Y Sem III
Examination November / December 2025
Chemistry (Concepts of Chemistry-I)

[Time:1Hours]**[Max. Marks:30]**

N. B

Please check whether you have got the right question paper.

- 1) Question No.1 Compulsory.
- 2) Attempt any four from Q.2 to Q.7
- 3) Figures to the right indicate full marks.

**PART-A****Q.1 Attempt all MCQs****10**

- 1) Which of the following does not undergo Cannizzaro's reaction:
 - a) CH_3COCH_3
 - b) H-CHO
 - c) Ph-CHO
 - d) Furan-2-aldehyde
- 2) Phenol gives Salicylaldehyde on heating with CHCl_3 and NaOH is called as -
 - a) Benzoin reaction
 - b) Claisen reaction
 - c) Hell- Volhard. Zelinsky reaction
 - d) Reimer Thiemann reaction.
- 3) Which of the following is a peptide linkage?
 - a) CO-NH
 - b) -C-N=O
 - c) -CO-NH_2
 - d) -CO-O-NH_4
- 4) α halogenation of carboxylic acid is Called as -
 - a) Getter man reaction
 - b) Reimer-Tiemann
 - c) Sand Meyer reaction
 - d) HVZ-reaction
- 5) Alcohol reacts with Grignard reagent to give -
 - a) alkene
 - b) Alkane
 - c) Alkyne
 - d) None of these

PART-B

- | | |
|---|-----------|
| Q.2 Explain Pinacol-Pinacolone rearrangement with mechanism | 05 |
| Q.3 How will you prepare phenol from? <ol style="list-style-type: none"> a) Cumene b) Diaz onium salt. | 05 |
| Q.4 Discuss Wolf-Kishner reduction reaction in detail. | 05 |
| Q.5 Write a note on acidity of carboxylic acids. | 05 |
| Q.6 What are Protein? Explain classification of protein based on their functions | 05 |
| Q.7 What are amino acids? Explain Zwi Heroines | 05 |