

PRACTICE TEST

Level 2

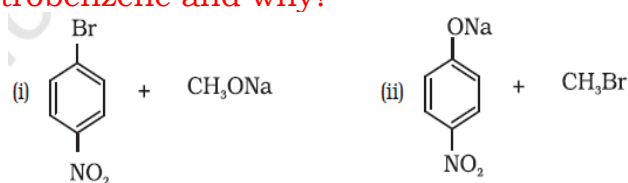
CLASS: XII

Unit 11: ALCOHOLS, PHENOLS AND ETHERS

Full marks: 20

Time: 40 Min

| Q.No | Questions | M |
|------|---|---|
| 1 | Write IUPAC name of m-cresol. | 1 |
| 2 | What is denatured alcohol? | 1 |
| 3 | Name the reagents used in the following reactions: (v) Dehydration of propan-2-ol to propene. (vi) Butan-2-one to butan-2-ol. | 1 |
| 4 | Give reason for the higher boiling point of ethanol in comparison to methoxymethane. | 1 |
| 5 | Out of 2-chloroethanol and ethanol which is more acidic and why? | 2 |
| 6 | Arrange the following compounds in increasing order of acidity and give a suitable explanation. Phenol, o-nitrophenol, o-cresol | 2 |
| 7 | Give the equations of reactions for the preparation of phenol from cumene. | 2 |
| 8 | How are the following conversions carried out? (i) Ethyl magnesium chloride \rightarrow Propan-1-ol. (ii) Methyl magnesium bromide \rightarrow 2-Methylpropan-2-ol. | 2 |
| 9 | Which of the following is an appropriate set of reactants for the preparation of 1-methoxy-4-nitrobenzene and why? | 2 |



10 Match the items of column I with items of column II.

| column I | column II |
|--|-----------------------------|
| (i) Antifreeze used in car engine | (a) Neutral ferric chloride |
| (ii) Solvent used in perfumes | (b) Glycerol |
| (iii) Starting material for picric acid | (c) Methanol |
| (iv) Wood spirit | (d) Phenol |
| (v) Reagent used for detection of phenolic group | (e) Ethleneglycol |
| (vi) By product of soap industry used in cosmetics | (f) Ethanol |

- 11 Explain the following with an example.
(i) Kolbe's reaction.
(ii) Reimer-Tiemann reaction.
(iii) Williamson ether synthesis.