

13.2 AROMATIC ALDEHYDES AND KETONES- MCQS

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1. Phenylmethyl ketone can be converted into ethylbenzene in one step by which of the following reagents
a. LiAlH_4 b. Zn-Hg/HCl c. NaBH_4 d. CH_3MgI
2. Benzophenone and Acetophenone are distinguished by:
a. NaOH/I_2 b. NaHSO_3 c. 2,4-DNP d. Tollens's reagent
3. Which of the following reacts with KCN to form Benzoin?
a. $\text{C}_6\text{H}_5\text{COOH}$ b. $\text{C}_6\text{H}_5\text{Cl}$ c. $\text{C}_6\text{H}_5\text{CHO}$ d. $\text{C}_6\text{H}_5\text{OH}$
4. Perkins' reaction takes place in
a. $\text{C}_6\text{H}_5\text{CHO}$ b. $\text{C}_2\text{H}_5\text{CHO}$ c. both d. none
5. Benzaldehyde reacts with conc. nitric acid in the presence of conc. sulphuric acid to give
a. o-nitrobenzaldehyde c. m-nitrobenzaldehyde b. p-nitrobenzene d. o-nitrobenzoic acid
6. Benzene reacts with acetyl chloride in the presence of AlCl_3 to give
a. $\text{C}_6\text{H}_5\text{COCl}$ b. $\text{C}_6\text{H}_5\text{Cl}$ c. $\text{C}_6\text{H}_5\text{CH}_3$ d. $\text{C}_6\text{H}_5\text{COCH}_3$
7. Benzaldehyde undergoes disproportionation on heating with concentrated sodium hydroxide to give the corresponding alcohol and acid. The reaction is known as
a. Wurtz's reaction c. Friedel-craft's reaction b. Cannizaro's reaction d. Perkin condensation
8. Which of the following is correct?
a. Diastase is an enzyme.
b. Acetophenone is an ether.
c. Cycloheptane is an aromatic compound.
d. All of the above.
9. Aromatic carboxylic acid is
(a) formic acid (b) acetic acid (c) stearic acid (d) cinnamic acid

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