

MDCAT Chemistry Chapter 17 Aldehydes and Ketones Online Test

Sr	Questions	Answers Choice
1	Which one of the following will react with both ethand and ethanoic acid at room temperature	A. CaCO ₃ B. CuO C. Na-metal D. CH ₃ OH
2	Acetic acid reacts with thionyl chloride to form acetyl chloride, which species acts as nucleophile in the reaction	A. SO ₃ B. SO ₂ C. Cl ⁻ D. No nucleophile is formed
3	Which of the following acid is unsaturated carboxylic acid	A. Malonic acid B. Oxalic acid C. Succinic acid D. Maleic acid
4	Carboxylic acid is more acidic than phenol because of the greater stability of	A. Carboxylic acid B. Phenoxide ion C. proton D. Carboxylate ion
5	Which compound shows the highest melting point	A. water B. Propanoic acid C. Methanoic acid D. Ethanoic acid
6	Ethanoic acid reacts with all of these to produce water except	A. Ethanol B. Sodium C. Caustic soda D. Sodium hydrogen carbonate
7	Molar mass of formic acid in benzene comes out to be	A. 64 B. 46 C. 32 D. 92
8	Methyl cyanide, on boiling with mineral acids yield	A. Acetic acid B. Formic acid C. Propanoic acid D. Butanoic acid
9	Slight oxidation of primary alcohol gives	A. Ketone B. Aldehyde C. -Organic acid D. An ester
10	The formation of acetic anhydride from acetic acid follows the mechanism	A. SN B. AN C. SE D. AE
11	Which of the following has the lowest solubility in water	A. HCOOH B. CH ₃ COOH C. CH ₃ -CH ₂ -COOH D. C ₃ H ₇ -COOH
12	Oils and fats belong to the class of	A. Alcohols B. Hydrocarbons C. Acids D. Esters
13	Ethane nitrile can be converted into ethanoic acid through.....intermediate	A. Ethyl alcohol B. Acetyl chloride C. Acetamide D. Methyl cyanide
14	The formation of ester from acetic acid in presence of acid and ethanol is a	A. Nucleophilic substitution reaction B. Nucleophilic addition reaction C. Electrophilic substitution reaction D. Electrophilic addition reaction
15	Propanoic acid is functional group isomer of	A. Methyl acetate B. Ethyl acetate C. Propanal D. Propanone

16	Estyl butyrate has flavour like	A. Banans B. Jasmine C. Pineapple D. Orange
17	Which one of the following reaction of carboxylic acid is reversible?	A. Esterification B. Salt formation C. Reaction with PCl_5 D. Reaction with $SOCl_2$
18	Final product of hydrolysis of nitrile is	A. Ketone B. Alcohol C. Aldehyde D. Carboxylic acid
19	An acid that exists as a cyclic dimer in benzene and shows a molar mass of 120g/mol is	A. CH_3COOH B. $HCOOH$ C. $Cl_2CHCOOH$ D. Cl_3CCOOH
20	Esters have fruity smell and are used as artificial favours. Amyl acetate gives flavour of	A. Banana B. Jasmine C. Pineapple D. Orange
