

MDCAT Chemistry Chapter 17 Aldehydes and Ketones Online Test

Sr	Questions	Answers Choice
1	Ethane nitrile can be converted into ethanoic acid through.....intermediate	A. Ethyl alcohol B. Acetyl chloride C. Acetamide D. Methyl cyanide
2	Velaric acid is obtained from a herb velarian, its IUPAC name is	A. Propionic acid B. Pentanoic acid C. Butyric acid D. Caporic acid
3	The specie that develops strongest hydrogen bonding with water	A. HCOOH B. CH ₃ CH ₂ COOH C. CH ₃ COOH D. ClCH ₂ COOH
4	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
5	Final product of hydrolysis of nitrile is	A. Ketone B. Alcohol C. Aldehyde D. Carboxylic acid
6	Molar mass of formic acid in benzene comes out to be	A. 64 B. 46 C. 32 D. 92
7	The highest melting point is observed by	A. Butanoic acid B. Propanoic acid C. Pentanoic acid D. HCl
8	solubility of carboxylic acids decreases in water with increase in molar mass because	A. Bigger molecules are more polar B. bigger molecules have bigger non-polar groups C. bigger molecules make more hydrogen bonds D. bigger molecules can form lesser hydrogen bonds/molecule
9	An organic compound made from oxidation of ethanol is	A. Formic acid B. Acetic acid C. Malonic acid D. Citric acid
10	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
11	The formation of acetic anhydride from acetic acid follows the mechanism	A. S _N B. A _N C. S _E D. A _E
12	Ethanoic acid reacts with PCl ₅ , to give ethanoyl chloride, HCl and a third compound What is the third compound	A. H ₃ PO ₃ , B. POCl ₃ C. SO ₂ D. COCl ₂
13	An acid that exists as a cyclic dimer in benzene and shows a molar mass of 120g/mol is	A. CH ₃ COOH B. HCOOH C. Cl ₂ CHCOOH D. Cl ₃ CCOOH
14	Carboxylic acids reacts with sodium carbonate, & gas evolved in this reaction	A. CO ₂ B. H ₂ C. CO D. Both a & b
		A. Methyl acetate

15	Propanoic acid is functional group isomer of	B. Ethyl acetate C. Propanal D. Propanone
16	The Complete oxidation of ethanol produces first Ethanal than	A. Ethanal B. Propanone C. Ethanoic acid D. Benzoic acid
17	Which of the following acid is unsaturated carboxylic acid	A. Malonic acid B. Oxalic acid C. Succinic acid D. Maleic acid
18	Octyl acetate has the flavor of	A. Orange B. Pineapple C. Banana D. Apple
19	Which one of the following will react with both ethanal and ethanoic acid at room temperature	A. CaCO_3 B. CuO C. Na-metal D. CH_3OH
20	Which of the following has the lowest solubility in water	A. HCOOH B. CH_3COOH C. $\text{CH}_3\text{-CH}_2\text{-COOH}$ D. $\text{C}_3\text{H}_7\text{-COOH}$