

MDCAT Chemistry Chapter 17 Aldehydes and Ketones Online Test

Sr	Questions	Answers Choice
1	When ethyl magnesium bromide is treated with carbon dioxide and the product hydrolyzed we get	A. formic acid B. propionic acid C. oxalic acid D. acetic acid
2	Molar mass of formic acid in benzene comes out to be	A. 64 B. 46 C. 32 D. 92
3	Carboxylic acid is more acidic than phenol because of the greater stability of	A. Carboxylic acid B. Phenoxide ion C. proton D. Carboxylate ion
4	The formation of acetic anhydride from acetic acid follows the mechanism	A. SN B. AN C. SE D. AE
5	In esterification, the OH of carboxylic acid is replaced by	A. OR+ B. R+ C. OR D. R
6	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
7	Which compound shows the highest melting point	A. water B. Propanoic acid C. Methanoic acid D. Ethanoic acid
8	Propanoic acid is functional group isomer of	A. Methyl acetate B. Ethyl acetate C. Propanal D. Proparone
9	Ethane nitrile can be converted into ethanoic acid through.....intermediate	A. Ethyl alcohol B. Acetyl chloride C. Acetamide D. Methyl cyanide
10	The highest melting point is observed by	A. Butanoic acid B. Propanoic acid C. Pentanoic acid D. HCl
11	Final product of hydrolysis of nitrile is	A. Ketone B. Alcohol C. Aldehyde D. Carboxylic acid
12	Which one of the following reaction of carboxylic acid is reversible?	A. Esterification B. Salt formation C. Reaction with PCl_5 D. Reaction with $SOCl_2$
13	Formamide is formed by the reaction of which acid with ammonia	A. Oxalic acid B. Formic acid C. Ethanoic acid D. Propanoic acid
14	Octyl acetate has the flavor of	A. Orange B. Pineapple C. Banana D. Apple
		A. Acetic acid

15	Methyl cyanide, on boiling with mineral acids yield	B. Formic acid C. Propanoic acid D. Butanoic acid
16	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
17	Primary alcohols normally give us aldehyde when oxidized in the presence of acidified $\text{Na}_2\text{Cr}_2\text{O}_7$, what will be the product, when the secondary alcohols are oxidized in same condition?	A. Alkenes B. Alkyl halide C. Alkynes D. Ketones
18	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
19	Valeric acid is obtained from a herb valerian, its IUPAC name is	A. Propionic acid B. Pentanoic acid C. Butyric acid D. Caproic acid
20	The Complete oxidation of ethanol produces first Ethanal then	A. Ethanal B. Propanone C. Ethanoic acid D. Benzoic acid