

MDCAT Chemistry Chapter 17 Aldehydes and Ketones Online Test

Sr	Questions	Answers Choice
1	Which compound is not formed as a result of reaction between acetic acid & HI & red phosphorous	A. Ethanol B. Water C. Iodine D. Ethane
2	Molar mass of formic acid in benzene comes out to be	A. 64 B. 46 C. 32 D. 92
3	In esterification, the OH of carboxylic acid is replaced by	A. OR+ B. R+ C. OR D. R
4	An organic compound made from oxidation of ethanol is	A. Formic acid B. Acetic acid C. Malonic acid D. Citric acid
5	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
6	Methyl cyanide, on boiling with mineral acids yield	A. Acetic acid B. Formic acid C. Propanoic acid D. Butanoic acid
7	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
8	Ester with raspberry flavor	A. Amyl acetate B. Isobutyl formate C. Amyl butyrate D. Octyl acetate
9	The specie that develops strongest hydrogen bonding with water	A. HCOOH B. $\text{CH}_3\text{CH}_2\text{COOH}$ C. CH_3COOH D. ClCH_2COOH
10	Compound X & Y give effervesce with Na_2CO_3 solution. X gives a white ppt with ammoniacal AgNO_3 while Y gives sweet smell compound on heating with alcohol X & Y are	A. Formic acid & acetic acid B. Acetone & formic acid C. Acetaldehyde & acetic acid D. Acetic acid & acetone
11	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
12	Formamide is formed by the reaction of which acid with ammonia	A. Oxalic acid B. Formic acid C. Ethanoic acid D. Propanoic acid
13	A compound X has all of the properties below. It is a liquid at 25°C it mixes completely with water it reacts with aqueous sodium hydroxide, What could X be?	A. Ethanoic acid B. Ethene C. Ethanol D. Ethyl ethanoate
14	Which of the following metal cannot evolve hydrogen from the acetic acid	A. Sodium B. Potassium C. Magnesium D. Copper
		A. Alcohols

15	Oils and fats belong to the class of	B. Hydrocarbons C. Acids D. Esters
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 is a strong acid	A. CH ₃ COOH B. C ₂ H ₅ OH C. HCOOH D. Phenol
18	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
19	Which of the following acid is unsaturated carboxylic acid	A. Malonic acid B. Oxalic acid C. Succinic acid D. Maleic acid
20	Reaction of acetic acid with LiAlH ₄ gives	A. Ethanol B. Ethanal C. Ethane D. Ethyl acetate