

## MDCAT Chemistry Chapter 17 Aldehydes and Ketones Online Test

Sr	Questions	Answers Choice
1	Which of the following metal cannot evolve hydrogen from the acetic acid	A. Sodium B. Potassium C. Magnesium D. Copper
2	In the presence of hot alkaline potassium permanganate solution 2-butene will give	A. Formic acid +acetic acid B. Two moles ethanoic acid C. Two moles of methanoic acid D. Ethylene glycol
3	Which of the following acid is unsaturated carboxylic acid	A. Malonic acid B. Oxalic acid C. Succinic acid D. Maleic acid
4	One of the following compound reacts with its own oxidation product (an oxidation involves no loss of carbon) to give sweet odour liquid	A. Propanal B. Propanone C. 1-propanol D. Propanoic acid
5	Octyl acetate has the flavor of	A. Orange B. Pineapple C. Banana D. Apple
6	Acetic acid reacts with thionyl chloride to form acetyl chloride, which species acts as nucleophile in the reaction	A. SO <sub>3</sub> B. SO <sub>2</sub> C. Cl <sup>-</sup> D. No nucleophile is formed
7	Ethyl butyrate has flavour like	A. Banans B. Jasmine C. Pineapple D. Orange
8	Slight oxidation of primary alcohol gives	A. Ketone B. Aldehyde C. -Organic acid D. An ester
9	Which compound is not formed as a result of reaction between acetic acid & HI & red phosphorous	A. Ethanol B. Water C. Iodine D. Ethane
10	Final product of hydrolysis of nitrile is	A. Ketone B. Alcohol C. Aldehyde D. Carboxylic acid
11	Ethane nitrile can be converted into ethanoic acid through.....intermediate	A. Ethyl alcohol B. Acetyl chloride C. Acetamide D. Methyl cyanide
12	Molar mass of formic acid in benzene comes out to be	A. 64 B. 46 C. 32 D. 92
13	Ethanoic acid reacts with PCl <sub>5</sub> , to give ethanoyl chloride, HCl and a third compound What is the third compound	A. H <sub>3</sub> PO <sub>3</sub> , B. POCl <sub>3</sub> C. SO <sub>2</sub> D. COCl <sub>2</sub>
14	Which compound shows the highest melting point	A. water B. Propanoic acid C. Methanoic acid D. Ethanoic acid
15	The highest melting point is observed by	A. Butanoic acid B. Propanoic acid C. Pentanoic acid D. HCl

16	All are dicarboxylic acids except	A. Oxalic acid B. Malonic acid C. Picric acid D. Tartaric acid
17	Compound X & Y give effervesce with $\text{Na}_2\text{CO}_3$ , solution. X gives a white ppt with ammonical $\text{AgNO}_3$ while Y gives sweet smell compound on heating with alcohol X & Y are	A. Formic acid & acetic acid B. Acetone & formic acid C. Acetaldehy de & acetic acid D. Acetic acid & acetone
18	The specie that develops strongest hydrogen bonding with water	A. $\text{HCOOH}$ B. $\text{CH}_3\text{CH}_2\text{COOH}$ C. $\text{CH}_3\text{COOH}$ D. $\text{ClCH}_2\text{COOH}$
19	Which one of the following will react with both ethand and ethanoic acid at room temperature	A. $\text{CaCO}_3$ B. $\text{CuO}$ C. Na-metal D. $\text{CH}_3\text{OH}$
20	Which one of the following reaction of carboxylic acid is reversible?	A. Esterification B. Salt formation C. Reaction with $\text{PCl}_5$ D. Reaction with $\text{SOCl}_2$