

MDCAT Chemistry Chapter 17 Aldehydes and Ketones Online Test

Sr	Questions	Answers Choice
1	Methyl cyanide, on boiling with mineral acids yield	A. Acetic acid B. Formic acid C. Propanoic acid D. Butanoic acid
2	The Complete oxidation of ethanol produces first Ethanal than	A. Ethanal B. Propanone C. Ethanoic acid D. Benzoic acid
3	All are dicarboxylic acids except	A. Oxalic acid B. Malonic acid C. Picric acid D. Tartaric acid
4	Ester with raspberry flavor	A. Amyl acetate B. Isobutyl formate C. Amyl butyrate D. Octyl acetate
5	Ethane nitrile can be converted into ethanoic acid through.....intermediate	A. Ethyl alcohol B. Acetyl chloride C. Acetamide D. Methyl cyanide
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	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
8	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
9	Ethyl butyrate has flavour like	A. Banans B. Jasmine C. Pineapple D. Orange
10	The derivatives that cannot be prepared directly from the acetic acid	A. Acetamide B. Acetic anhydride C. Ethyl acetate D. Ester
11	An organic compound made from oxidation of ethanol is	A. Formic acid B. Acetic acid C. Malonic acid D. Citric acid
12	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 ₃ OH
13	The highest melting point is observed by	A. Butanoic acid B. Propanoic acid C. Pentanoic acid D. HCl
14	Compound X & Y give effervesce with Na ₂ CO ₃ , solution. X gives a white ppt with ammonical 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
		A. Malonic acid

15	Which of the following acid is unsaturated carboxylic acid	B. Oxalic acid C. Succinic acid D. Maleic acid
16	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
17	Which compound shows the highest melting point	A. water B. Propanoic acid C. Methanoic acid D. Ethanoic acid
18	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. $\text{C}_3\text{H}_7\text{-COOH}$
19	Slight oxidation of primary alcohol gives	A. Ketone B. Aldehyde C. -Organic acid D. An ester
20	Ethanoic acid reacts with all of these to produce water except	A. Ethanol B. Sodium C. Caustic soda D. Sodium hydrogen carbonate