

MDCAT Chemistry Chapter 17 Aldehydes and Ketones Online Test

Sr	Questions	Answers Choice
1	Ethanoic acid reacts with all of these to produce water except	A. Ethanol B. Sodium C. Caustic soda D. Sodium hydrogen carbonate
2	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
3	Which compound shows the highest melting point	A. water B. Propanoic acid C. Methanoic acid D. Ethanoic acid
4	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
5	An organic compound made from oxidation of ethanol is	A. Formic acid B. Acetic acid C. Malonic acid D. Citric acid
6	Ester with raspberry flavor	A. Amyl acetate B. Isobutyl formate C. Amyl butyrate D. Octyl acetate
7	Propanoic acid is functional group isomer of	A. Methyl acetate B. Ethyl acetate C. Propanal D. Proparone
8	Molar mass of formic acid in benzene comes out to be	A. 64 B. 46 C. 32 D. 92
9	Octyl acetate has the flavor of	A. Orange B. Pineapple C. Banana D. Apple
10	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
11	The Complete oxidation of ethanol produces first Ethanal than	A. Ethanal B. Propanone C. Ethanoic acid D. Benzoic acid
12	Ethane nitrile can be converted into ethanoic acid through.....intermediate	A. Ethyl alcohol B. Acetyl chloride C. Acetamide D. Methyl cyanide
13	Carboxylic acid is more acidic than phenol because of the greater stability of	A. Carboxylic acid B. Phenoxide ion C. proton D. Carboxylate ion
14	All are dicarboxylic acids except	A. Oxalic acid B. Malonic acid C. Picric acid D. Tartaric acid
15	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

16	Which one of the following reaction of carboxylic acid is reversible?	A. Esterification B. Salt formation C. Reaction with PCl_5 D. Reaction with $SOCl_2$
17	Carboxylic acids reacts with sodium carbonate, & gas evolved in this reaction	A. CO_2 B. H_2 C. CO D. Both a & b
18	Formamide is formed by the reaction of which acid with ammonia	A. Oxalic acid B. Formic acid C. Ethanoic acid D. Propanoic acid
19	Primary alcohols normally give us aldehyde when oxidized in the presence of acidified $Na_2Cr_2O_7$, what will be the product, when the secondary alcohols are oxidized in same condition?	A. Alkenes B. Alkyl halide C. Alkynes D. Ketones
20	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