

ECAT Chemistry Chapter 24 Carboxylic Acid Online Test

Sr	Questions	Answers Choice
1	Given below are some statements concerning formic acid, which of them is true?	A. It is a weaker acid than acetic acid B. It is a reducing agent C. When its calcium salt is heated, it forms a ketone D. It is an oxidizing agent
2	Essential amino acids are those amino acids which	A. Body can not synthesize B. Body can synthesize C. α amino acids D. β amino acids
3	Which following derivative cannot be prepared directly from acetic acid?	A. Acetamide B. Acetyl chloride C. Acetic anhydride D. Ethyl acetate
4	Sulphonation of benzoic acid produces mainly	A. o-Sulphobenzoic acid B. m-sulphobenzoic acid C. p-Sulphobenzoic acid D. o-and p-Sulphobenzoic acid
5	Esters are pleasant smelling compounds. Which ester possesses odour like pineapple?	A. Amylacetate B. Amylbutyrate C. Ethylbutyrate D. Benzylacetate
6	Lactic acid on heating with dil. H_2SO_4 gives	A. Acetic acid B. Propionic acid C. Acrylic acid D. Formic acid
7	Which of the following is not a fatty acid?	A. Propanoic acid B. Acetic acid C. Phthalic acid D. Butanoic acid
8	The OH group present in acids may be replaced by Cl atom on treatment with	A. PCl_5 B. $SOCl_2$ C. Both of them D. None of the above
9	What will happen if $LiAlH_4$ is added to an ester?	A. Two units of alcohol are obtained B. One unit of alcohol and one unit of acid is obtained C. Two units of acids are obtained D. None of these
10	From the following values of dissociation constants of four acids which value represents the strongest acid?	A. 2×10^{-2} B. 0.02×10^{-1} C. 3×10^{-4} D. 2×10^{-4}
11	A colourless liquid, at room temperature reacts with soda lime to form sodium salt of carboxylic acid and ammonia gas. The liquid is	A. Propanamide B. Propanoic acid C. Formamide D. Methyl Ethanoate
12	When acetamide is hydrolysed by boiling with acid the product obtained is	A. Ethyl amine B. Ethyl alcohol C. Acetic acid D. Acetaldehyde
13	Which one of the following has both hydroxyl and carboxylic acid groups	A. Phenols B. Picric acid C. Phthalic acid D. Salicylic acid
14	Hydrolysis of an ester gives a carboxylic acid which on Kolbe's electrolysis yields ethane. the ester is	A. Ethyl methanoate B. Methyl ethanoate C. Propylamine D. Ethylamine

15	Glacial acetic acid freezes to ice like solid at (°C)	A. 0° B. 17° C. 27° D. 37°
16	Acetic Acid is obtained from:	A. Red out B. Vinegar C. Butter D. Milk
17	Lactic acid on oxidation by alkaline potassium permanganate gives	A. Tartaric acid B. Pyruvic acid C. Cinnamic acid D. Propionic acid
18	Which formula represents the organic compound formed by the reaction of propanoic acid with methanol in the presence of concentrated sulphuric acid as a catalyst	A. $\text{CH}_3\text{CH}_2\text{COCH}_3$ B. $\text{CH}_3\text{CH}_2\text{CO}_2\text{CH}_3$ C. $\text{CH}_3\text{CO}_2\text{CH}_2\text{CH}_3$ D. $\text{CH}_3\text{CH}_2\text{CH}_2\text{CO}_2\text{CH}_3$
19	Carboxyl group has functional group in it:	A. One B. Two C. Three D. Four
20	Question Image	A. $\text{RCH}(\text{CH}_3)\text{CO}_2\text{H} + \text{CH}_3\text{OH}$ B. $\text{RCH}(\text{CH}_3)\text{CO}_2\text{H} + \text{HCO}_2\text{H}$ C. $\text{RCH}(\text{CH}_3)\text{OH} + \text{CO}_2$ D. $\text{RCH}(\text{CH}_3)\text{OH} + \text{HCO}_2\text{H}$