

ECAT Chemistry Chapter 24 Carboxylic Acid Online Test

Sr	Questions	Answers Choice
1	Partial reduction of acetic acid happens with	A. $\text{NH}_{\text{sub}3}$ B. $\text{LiAlH}_{\text{sub}4}$ C. $\text{P} + \text{HI}$ D. $\text{PCl}_{\text{sub}5}$
2	Acetic Acid reacts with PCl_5 giving:	A. Acetamid B. Acetyl chloride C. Alcohol D. ether
3	Reaction of acids with alcohols is also known as	A. Esterification B. Saponification C. Alkalization D. None
4	Heating a mixture of sodium benzoate and soda lime gives	A. Methane B. Benzene C. Sodium benzoate D. Calcium benzoate
5	If a large number of amino acids (hundreds to thousands) are joined by peptide bonds, the resulting product is called	A. Dipeptide B. Tripeptide C. Polypeptide D. None of these
6	Active metals react with carboxylic acid releasing gas:	A. CO B. $\text{CO}_{\text{sub}2}$ C. $\text{H}_{\text{sub}2}$ as steam D. $\text{H}_{\text{sub}2}$
7	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
8	Question Image	A. $\text{RCH}(\text{CH}_{\text{sub}3})\text{CO}_{\text{sub}2}\text{H} + \text{CH}_{\text{sub}3}\text{OH}$ B. $\text{RCH}(\text{CH}_{\text{sub}3})\text{CO}_{\text{sub}2}\text{H} + \text{HCO}_{\text{sub}2}\text{H}$ C. $\text{RCH}(\text{CH}_{\text{sub}3})\text{OH} + \text{CO}_{\text{sub}2}$ D. $\text{RCH}(\text{CH}_{\text{sub}3})\text{OH} + \text{HCO}_{\text{sub}2}\text{H}$
9	If acetyl chloride is reducing in the presence of BaSO_4 and Pd, then	A. $\text{CH}_{\text{sub}3}\text{CHO}$ is formed B. $\text{CH}_{\text{sub}3}\text{CH}_{\text{sub}2}\text{OH}$ is formed C. $\text{CH}_{\text{sub}3}\text{COOH}$ is formed D. $\text{CH}_{\text{sub}3}\text{COCH}_{\text{sub}3}$ is formed
10	Hydrolytic reaction of fats by caustic soda is known as	A. Acetylation B. Carboxylation C. Esterification D. Saponification
11	Etherification is catalyzed by	A. Acids B. Gases C. Salts D. None of the these
12	Lactic acid on heating with dil. H_2SO_4 gives	A. Acetic acid B. Propionic acid C. Acrylic acid D. Formic acid

13	The general formula of amino acids is	
14	A carboxylic acid contains:	A. A hydroxyl group B. A carboxyl group C. A hydroxyl & carboxyl group D. A carboxyl & aldehyde group
15	Acetic anhydride is obtained from acetyl chloride by the reaction of	A. $P₂O₅$ B. $H₂SO₄$ C. $CH₂COONa$ D. $CH₂COCH₃$
16	Monocarboxylic acids exist as dimer because of	A. Dipole-dipole attraction B. Hydrogen bonding C. Van der Waals forces D. Cohesive forces
17	From the following values of dissociation constants of four acids which value represents the strongest acid?	A. $2 \times 10⁻²$ B. $0.02 \times 10⁻¹$ C. $3 \times 10⁻⁴$ D. $2 \times 10⁻⁴$
18	CH_3CH_2COOH is also named as:	A. Propionic acid B. Propanoic acid C. Acetic Acid D. Both (a) and (b)
19	Which of the following is present in the stings of bees and wasps	A. Formic acid B. Citric acid C. Carbolic acid D. Formalin
20	In public urinals, we observe some nascent smell. This smell is due to	A. Hydrolysis of urea of urine by urease of atmosphere into $NH₃$ and $CO₂$ B. Formation of sulphonic acid by urea of urine C. Reaction of $CO₂$ of atmosphere with urea mononitrate in urine D. Hydrogen present in air reacts with nitrogen forming $NH₃$