

ECAT Chemistry Chapter 24 Carboxylic Acid Online Test

| Sr | Questions | Answers Choice |
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| 1 | Zwitter ion is _____ ion an amino acid | A. Polar B. Monopolar C. Dipolar D. Non polar |
| 2 | Question Image | A. Ethanol in the presence of concentrated sulphuric acid B. Potassium hydroxide C. Sodium D. Sodium carbonate |
| 3 | Question Image | A. Elimination Esterification B. Elimination Isomerisation C. Oxidation Esterification D. Oxidation Oxidation |
| 4 | Question Image | A. di(4-bormophenyl) method B. Methanol C. Propan-1-ol D. Propan-2-ol |
| 5 | Question Image | |
| 6 | Which compound is both chiral and acidic | |
| 7 | Question Image | A. Acidified $\text{AgNO}_3(\text{aq})$ B. Fehling's solution C. Na D. $\text{Na}_2\text{XO}_3(\text{aq})$ |
| 8 | A compound X has all of the following properties: It is a liquid at room temperature and atmospheric pressure; It does not mix completely with water; It does not decolorise acidified potassium manganate What could X be | A. Ethane B. Ethanoic acid C. Ethanol D. Ethyl ethanoate |
| 9 | 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. $\text{RCH}(\text{CH}_3)\text{OH} + \text{CO}_2\text{H}$ D. $\text{RCH}(\text{CH}_3)\text{OH} + \text{HCO}_2\text{H}$ |
| 10 | Question Image | A. Step 1 Step 2 <div>HCl HCN</div> B. $\text{H}_2\text{N, NaCH}_2\text{SO}_4$ C. H_2SO_4 K ₂ Cr ₂ O ₇ / H_2SO_4 D. KCN HCl |
| 11 | Glutamic acid, aspartic acid are _____ amino acid | A. Acidic B. Basic C. Neutral D. None of these |
| 12 | A peptide having molecular mass upto 10,000 is called a | A. Vitamin B. Protein C. Polypeptide D. Dipetide |
| 13 | 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 |
| 14 | The acid present in vinegar is | A. CH_3COOH B. HCl C. H_2SO_4 D. HCOOH |
| 15 | 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 |
| 16 | Acetamides are formed by the reaction of carboxylic acids with | A. Acids B. Bases C. Salts |

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| | carboxylic acid than | C. Salicylic acid D. NH_3 |
| 17 | Which of the following is present in the stings of bees and wasps | A. Formic acid B. Citric acid C. Carbolic acid D. Formalin |
| 18 | The human body can synthesize _____ amino acids | A. 1 B. 10 C. 20 D. 19 |
| 19 | Which one of the following has been hydroxyl and carboxylic acid groups | A. Phenols B. Picric acid C. Phthalic acid D. Salicylic acid |
| 20 | Optical activity is possible in | A. Oxalic acid B. Acetic acid C. Tartaric acid D. Formic acid |
| 21 | Those amino acids which contain two carboxylic groups are called _____ amino acids | A. Acidic B. Basic C. Neutral D. None of these |
| 22 | Which of the following statements about acetic anhydride is not correct | A. It is immiscible with water but is hydrolysed to give acetic acid B. It is prepared by the action of acetyl chloride on the sodium salt of acetic acid C. it reacts with ammonia to give acetamide D. it is a strong acid |
| 23 | The human body can synthesize _____ amino acids | A. 1 B. 10 C. 20 D. 19 |
| 24 | The amino acids which human body can synthesize are called _____ amino acid | A. Essential B. Non essential C. Acidic D. Basic |
| 25 | The acid present in the stings of bees and wasps is | A. Acetic acid B. Formic acid C. Formalin D. Formaldehyde |
| 26 | An artificial smell of banana is produced in many articles by using esters which of the following is that | A. Amyl acetate B. Isoamyl valerate C. Octyl acetate D. Methyl butyrate |
| 27 | Esters have peculiar smell, which of the following is used as an essence of orange | A. Isoamyl acetate B. Isoamyl valerate C. Octyl acetate D. Methyl butyrate |
| 28 | The Zwitter ion is also called | A. International salt B. Internal salt C. No salt D. None of these |
| 29 | Lysine is _____ amino acid | A. Acidic B. Basic C. Natural D. None of these |
| 30 | When acetic acid and ethanol react together an ester is formed which is called | A. Ethyl ester B. Ethanoic acid C. Ethanoic acid D. Ethyl acetate |