

ECAT Chemistry Online Test

Sr	Questions	Answers Choice
1	The protein which only yield amino acids and their derivatives	A. Simple proteins B. Complex proteins C. Derived protein D. All of these
2	When a nitrogeneous base combine with a sugar it is called	A. Ribose B. Nucleotides C. Nucleoside D. None
3	Which is the polymer that has amide linkage in its structure	A. PVC B. Poly ethene C. Polyester D. Nylon
4	Oxidation reduction is done by	A. Oxidoreductase B. Lipases C. Lyase D. None of these
5	Protein may have	A. Primary structure B. Secondary structure C. Tertiary structure D. All of these
6	Sterols, vitamin D and terpenese belong to	A. Simple lipids B. Complex lipids C. Derived lipids D. None
7	The clotting time of blood is increased due to the deficiency of	A. Vitamin A B. Vitamin K C. Vitamin D D. Vitamin C
8	Ricket is caused due to the deficiency of vitamin	A. A B. D C. B D. E
9	Question Image	
10	Hydrolysis of protein by 6M HCl gives peptides and then α -amino acids. How many α -amino acids molecules are obtained on the hydrolysis of a tetrapeptide	A. 2 B. 3 C. 4 D. 5
11	The α -carbon of 19 out of 20 α -amino acids found in protein is chiral or asymmetric. Hence they are optically active. Only one of the 20 α -amino acids is not optically active which one is the	A. Proline B. Glycine C. Histidine D. Alanine
12	The amino group in 19 α -amino acids is primary; only one α -amino acid has secondary amino group which one is that	A. Alanine B. Glutamic acid C. Glycine D. Proline
13	Which of the following α -Amino acids has basic R-group	A. Proline B. Glutamic acid C. Histidine D. Valine
14	Which is not an essential amino acid	A. Leucine B. Methionine C. Histidine D. Lysine
15	Essential α -amino acids are those which are necessary in the diet Which one is an essential α -amino acids	A. Alanine B. Aspartic acid C. Glycine D. Tryptophan

16	Question Image	A. Non polar R group B. Polar R group C. Acidic R group D. Metallic R group
17	Amino acids are bifunctional organic compounds what are the two function groups	A. Carboxylic acid and alcohol B. Alcohol and aldehyde C. Carboxylic acids and ketone D. Amino group and carboxylic acid
18	There are 20 α -amino acids found in protein 19 have -- NH ₂ as the amino group. Only one of the α -amino acids has a secondary amino group which one is this	A. Glycine B. Lysine C. Proline D. Cystein
19	α -Amino acids are found in protein. Which of the following is an α -amino acid	
20	Which of the following nitrogen fertilizer contains more nitrogen	A. NaNO ₃ B. KNO ₃ C. NH ₄ NO ₃ D. Urea
21	Detergents are	A. Synthetic products B. Natural products C. Both (a) and (b) D. None of these
22	Surfactants are organic compounds, used in detergents which reduce the	A. Viscosity of water B. Surface tension of water C. Boiling point of water D. Wetting ability of water
23	The trade name of polytetrafluoroethylene (PTFE) is	A. Teflon B. PVC C. Terelene D. Polyester
24	Tyrosine was isolated from	A. Butter B. Cheese C. Oils D. Fats
25	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. CH ₃ CH ₂ COCH ₃ B. CH ₃ CH ₂ CO ₂ CH ₃ C. CH ₃ CH ₂ CO ₂ CH ₂ CH ₃ D. CH ₃ CH ₂ CH ₂ CO ₂ CH ₃
26	With amino acids ninhydrin solution gives	A. Blue B. Violet C. Bluish violet D. White
27	Which isomers of C ₅ H ₁₀ gives, on dehydration, the greatest number of different alkenes	
28	Carbolic acid is the other name for	A. Methanol B. Ethanol C. Propanol D. Phenol
29	An alcohol with molecular formula C _n H _{2n+1} OH has a chiral carbon atom but does not react with MnO ₄ ⁻ /H ⁺ what is the least number of carbon atoms such an alcohol could possess	A. 5 B. 6 C. 7 D. 8
30	Which is a reagent for Lucas test	A. ZnCl ₂ + Conc. HCl B. Zn C. Na D. Br