

ECAT Chemistry MCQ's Test For Full Book

Sr	Questions	Answers Choice
1	Protein may have	A. Primary structure B. Secondary structure C. Tertiary structure D. All of these
2	Which polymerization is free radical mechanism based	A. Addition B. Condensation C. Both a and b D. None
3	Sulphuric acid is used	A. As fertilizers B. As dehydrating agent C. As oxidizing agent D. All above
4	Amides on treatment with Br ₂ and KOH are converted into amines, the reaction is known as	A. Hoffmann's bromamide reaction B. Hoffmann's methylation C. Gabriel phthalimide reaction D. H.V.Z reaction
5	Light emitted from a source has its wave length 500nm, then its wave number will be	A. $2 \times 10^6 \text{ m}^{-1}$ B. $2 \times 10^7 \text{ m}^{-1}$ C. $5 \times 10^8 \text{ m}^{-1}$ D. $5 \times 10^9 \text{ m}^{-1}$
6	Which compound does not show hydrogen bonding with water	A. CH ₃ OH B. C ₂ H ₅ OH C. CH ₃ -O-CH ₃ D. C ₆ H ₅ OH
7	Which of the following gives iodoform on heating with a solution of I ₂ containing Na ₂ CO ₃ ?	A. Ethyl alcohol B. Acetone C. Ethyl alcohol as well as acetone D. Methyl alcohol
8	Alkanes are soluble in all except	A. Benzene B. Ether C. Water D. Carbon tetra chloride
9	Which technique is used to determine the absorption of radiations?	A. Dilatometer method B. Optical rotation method C. Spectrometry D. Refractometric method
10	Organic acid without a carboxylic acid group is	A. Ascorbic acid B. Vinegar C. Oxalic acid D. Picric acid
11	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}
12	Which gas is not a constituent of atmosphere	A. Xe B. O ₃ C. H ₂ D. F ₂
13	Carboxyl compounds have functional group:	A. R-C-X B. R-CH=O C. RCOR D. All

14	In an octahedral crystal field splitting, the number of orbitals pushed down in energy is	A. 3 B. 2 C. 5 D. Zero
15	Which of the following is formed by the action of water on sodium peroxide?	A. H_2 B. N_2 C. O_2 D. CO_2
16	A reaction in which an atom or a group of atoms replaces an atom or a group of atoms in the molecule of a substance is known as	A. Addition reaction B. Condensation reaction C. Elimination reaction D. Substitution reaction
17		A. Measuring pH B. Measuring density C. Titration against standard NaOH D. Titration against standard $KMnO_4$ solution
18	CFCs destroy ozone layer. How many ozone molecule a chlorine free radical can destroy	A. 10,000 B. 20,000 C. 100,000 D. 50,000
19	Glucose in the presence of zymase is converted into	A. Alcohol B. Acid C. Ethyl alcohol D. Ketone
20	Which one of the following is not related to spontaneous process	A. Unidirectional B. Real C. Irreversible D. Artificial