ECAT Chemistry MCQ's Test For Full Book

Sr	Questions	Answers Choice
1	Out of all the elements of group V-A , the highest ionization energy is possessed by:	A. N B. P C. Sb D. Bi
2	Which of the following molecules has zero dipole moment?	A. NH₃ B. CHCl₃ C. H₂O D. BF₃
3	On passing HCl gas through a saturated solution of commercial sodium chloride, pure crystals of NaCl are precipitated due to	A. Increase in pH of the solution B. Decrease in pH of the solution C. Common ion effect D. Increase in ionization of NaCl
4	The main structure features of proteins is	A. An ester linkage B. An ether linkage C. The peptide linkage D. All
5	The wave length of visible light is 500 nm. In S.I. unit this value is	A. 5 x 10⁻⁸m B. 5 x 10⁻⁹m C. 500 x 10⁻⁷m D. 500 x 10⁻⁹m
6	Which of the following is not a property of cathode rays	A. They can produce x-rays when they strike a heavy metal anode B. They can cause reduction reaction C. They produce fluorescence in rare earth and minerals D. They comprise neutral particles
7	Which of the following liquids has low vapour pressure at 25^0C	A. Diethyl ether B. Acetone C. Water D. Ethyl alochol
8	The polymers which can be re-softened again and again are caled	A. Thermoplastic B. Thermosetting C. Both a and b D. None
9	An electric current is passed through silver nitrate solution using silver electrodes.10.79 g of silver was found to be deposited on the cathode if the same amount of electricity is passed through copper sulphate solution using copper electrodes, the weight of copper deposited on the cathode is	A. 6.4 g B. 2.3 g C. 128.8 g D. 3.2 g
10	Which of the following element is responsible for oxidation of water to O_2in biological process?	A. Fe B. Mn C. Cu D. Mo
11	When vapours of isopropyl alcohol are passed over heated copper, the major product obtained is	A. Propane B. Propylene C. Acetaldehyde D. Acetone
12	The condition for standard enthalpy change is	A. 1 atm 30°C B. 1 atm 50°C C. 1 atm 25°C D. 760 atm 25°C
13	An element that has a high ionization energy and tends to be chemically inactive would most likely to be	A. an alkali metal B. a transition element C. a noble gas D. a halogen
14	The maximum number of electrons in the outermost shall of s-black elements is	A. One B. Two C. Three D. Four
15	A double bond consists of:	A. Two sigma bonds B. One sigma and one pi bonds C. One sigma and two pi bonds

		D. Two pi bonds
16	A dry alkaline cell has porous Zn anode and MnO_2as cathode the electrolyte used is	A. Ca(OH)₂ B. NaOH C. KOH D. NH₄OH
17	Li has the lowest reduction potential while the element with highest reduction potential is	A. H B. F C. O D. N
18	Which element of group IV-A does not use d-orbital?	A. N B. P C. As D. Sb
19	Which of the following compound is industrially prepared by the electrolysis of solution of NaCl	A. Na₂CO₃ B. NaHCO3 C. NaOH D. NaOCl
20	Cotton is an example of	A. Animal fibre B. Mineral fibre C. Vegetable fibre D. Synthetic fibre