

## ECAT Chemistry MCQ's Test For Full Book

Sr	Questions	Answers Choice
1	Precipitation will occur until the ionic product becomes	A. Equal to $K_{sp}$ B. Lesser than $K_{sp}$ C. Greater than $K_{sp}$ D. None of these
2	Homogenous catalysis is that in which catalyst and reactants are in same phase. Which one of the following reaction is a homogenous catalysis	
3	Benzene has an extraordinarily stable molecule because of.	A. Delocalized electron cloud B. Localized electron cloud C. Regular tetrahedral structure D. Irregular hexagonal structure
4	Which of the following is not related to transition metals	A. They have a high tensile strength B. They are ductile C. They are malleable D. They have low melting points
5	The main structure features of proteins is	A. An ester linkage B. An ether linkage C. The peptide linkage D. All
6	Which of the following statement is not related to Solvay's process of $\text{Na}_2\text{CO}_3$	A. Cheap materials B. Pure product C. Continuous process D. Harmful by-products
7	When sulphur is boiled with $\text{Na}_2\text{SO}_3$ solution, the compound formed is	A. Sodium sulphides B. Sodiums sulphates C. Sodium persulphate D. Sodium thiosulphate
8	In electrolysis of NaCl when Pt electrode is taken then $\text{H}_2$ is liberated at cathode while with Hg cathode it forms sodium amalgam	A. Hg is more inert than Pt B. More voltage is required to deduce $\text{H}^+$ at Hg than Pt C. Na is dissolved in Hg while it does not dissolve in Pt D. Conc. of $\text{H}^+$ ions is larger when Pt electrode is taken
9	The process of osmosis was first discovered by	A. Nollet B. Pfeffer C. Traube D. Dutrochet
10	Pollution is	A. Removal of top soil B. Release of toxic/undesirable materials in environment C. Conservation of energy D. All the above
11	The molecules of $\text{CO}_2$ in dry ice form the	A. Ionic crystals B. Covalent crystals C. Molecular crystals D. Any type of crystal
12	Ethanol can be prepared by fermenting the following in the presence of oxygen.	A. Protein B. Oil C. Glucose D. None of these
13	Number of molecules in one $\text{dm}^3$ of water is close to :	A. $6.02 \times 10^{23}$ B. $12.04 \times 10^{23}$ C. $18 \times 10^{23}$ D. $55.6 \times 10^{23}$

14	Platinum (IV) chloride combines with ammonia to form compounds in which the coordination number of the platinum is 6. A formula unit on one of the compound contains a cation and only two chloride ions. What is the formula of this compound	A. $\text{Pt}(\text{NH}_3)_6\text{Cl}_4$ B. $\text{Pt}(\text{NH}_3)_5\text{Cl}_4$ C. $\text{Pt}(\text{NH}_3)_4\text{Cl}_4$ D. $\text{Pt}(\text{NH}_3)_3\text{Cl}_4$
15	Which of the following oxides is peroxide?	A. $\text{Na}_2\text{O}_2$ B. $\text{MnO}_2$ C. $\text{BaO}$ D. $\text{SO}_2$
16	Odour of alkene is:	A. Fruity B. Odourless C. Garlic like D. Irritating
17	Aromatic hydrocarbons are the derivatives of	A. Normal series of paraffins B. Alkene C. Benzene D. Cyclohexane
18	A set of compounds in which reactivity of halogen atom in the ascending order is	A. Chlorobenzene, vinyl chloride, chloroethane B. Chloroethane, chlorobenzene, vinyl chloride C. Vinyl chloride, chlorobenzene, chloroethane D. Vinyl chloride, chloroethane, chlorobenzene
19	The oxides of electronegative elements are	A. Basic B. neutral C. Acidic D. Amphoteric
20	Methanol is prepared from CO and $\text{H}_2$ using catalyst:	A. $\text{ZnO}$ B. $\text{Cr}_2\text{O}_3$ C. $\text{Pt}$ D. $\text{Ni}$