

## ECAT Chemistry MCQ's Test For Full Book

Sr	Questions	Answers Choice
1	The ratio of the ionization energy of H and $\text{Be}^{3+}$ is	A. 1 : 1 B. 1 : 3 C. 1 : 9 D. 1 : 16
2	The atomic mass is measured in atomic mass unit (a.m.u.) which is equal to	A. $1.661 \times 10^{-27}$ Kg B. $1.661 \times 10^{-24}$ Kg C. $1.661 \times 10^{-27}$ g D. $1.661 \times 10^{-24}$ mg
3	Purification of an impure copper is made by electrolytic cell, in which impure copper is anode and pure copper is cathode, and the electrolyte used is	A. $\text{H}_2\text{SO}_4$ B. $\text{CuSO}_4$ C. $\text{ZnSO}_4$ D. $\text{Na}_2\text{SO}_4$
4	$\Delta H$ is equal to	A. $E + PV$ B. $E + P\Delta V$ C. $E + P\Delta V$ D. $E + P\Delta V$
5	Boiling point of n-butane is:	A. $-102^\circ\text{C}$ B. $-75^\circ\text{C}$ C. $-55^\circ\text{C}$ D. $55^\circ\text{C}$
6	Sulphuric acid reacts with $\text{PCl}_5$ to give	A. Thionyl chloride B. Sulphur monochloride C. Sulphuryl chloride D. Sulphur tetrachloride
7	A fuel has the same knocking property as a mixture of 70 isooctane (2, 2, 4-trimethyl pentane) and 30% n-heptane by volume the octane number of the fuel is	A. 100 B. 70 C. 50 D. 40
8	Hydrolysis of alkyl nitriles gives:	A. alkane B. alkyl halide C. alkyl nitride D. carboxylic acids
9	During the preparation of alkynes the active metals that react with tetra halo-alkanes are	A. Zn B. Mg C. Both a and b D. None
10	The reference calomel electrode is made from which of the following?	A. $\text{ZnCl}_2$ B. $\text{CuSO}_4$ C. $\text{Hg}_2\text{Cl}_2$ D. $\text{HgCl}_2$
11	With the progressive of the reaction the slope of the curve between concentration of product and time	A. Gradually becomes more steep B. Gradually becomes less steep C. No change occurs in slope D. None of these occurs
12	Rutherford's planetary like picture of the atomic model was defective because	A. It did not describe the quantity of positive charge B. It did not explain the repulsion of protons within the nucleus C. No empty space between nucleus and the electrons D. Moving electron should radiate energy

13	In the presence of high temperature and pressure peat is converted to:	A. Lignite B. Polymorphism C. Polymerization D. Catenation
14	Two vitamins absorbed from intestine along with fats are	A. A, D B. A, B C. A, C D. D, B
15	Laughing gas is chemically	A. NO B. $N_2O$ C. $NO_2$ D. $N_2O_4$
16	The graph between pressure and volume at constant temperature for a gas is	A. Isobaric B. Isothermal C. Isotherm D. None of above
17	Which of the following decolorized $Br_2$ -water	A. Methane B. Ethane C. Ethene D. Propane
18	Which of the following is an ortho-para directing group	
19	A homogeneous mixture of two or more than two chemical substances is called	A. Solute B. Solution C. Solvent D. Salvation
20	Caustic soda is obtained by electrolysis of conc. aqueous solution of NaCl in a cell called	A. Daniell's cell B. Nelson's cell C. Down's cell D. Voltaic cell