

## ECAT Chemistry MCQ's Test For Full Book

Sr	Questions	Answers Choice
1	The rate constant k of a reaction activation energy $E_a$ and temperature are related by Arrhenius in the form of an equation which is	
2	Which of the following is an inert gas?	A. $H_2$ B. $O_2$ C. $N_2$ D. Argon
3	_____ is used in breathing equipments for mountaineers and in space craft	A. $Li_2O$ B. BeO C. $N_2$ D. $KO_2$
4	According to Mendeleev, the physical and the chemical properties are the periodic function of their	A. Atomic number B. Atomic mass C. Atomic wt D. None
5	Which one of the following is not an example of chain growth polymer?	A. Neoprene B. Buna-S C. PMMA D. Glyptal
6	Molecule of halogens exist as	A. Monatomic B. Diatomic C. Triatomic D. Polyatomic
7	The solubility product of AgCl is $2.0 \times 10^{-10} \text{ mole}^2 \text{ dm}^{-6}$ . The maximum concentration of $Ag^+$ ions in the solution is	A. $2.0 \times 10^{-10} \text{ mole dm}^{-3}$ B. $1.41 \times 10^{-5} \text{ mole dm}^{-3}$ C. $1.0 \times 10^{-10}$ D. $4.0 \times 10^{-20} \text{ mole dm}^{-3}$
8	Aliphatic carboxylic acids have carboxyl group attached to:	A. Alkyl group B. Aryl group C. Phenyl group D. Benzyl group
9	Which of the following reagents is used to distinguish acetone and acetophenone	A. $NaHSO_3$ B. Grignard reagent C. $Na_2SO_4$ D. $NH_4Cl$
10	The nitration of benzene takes place when it is heated with a mixture of conc. $HNO_3$ and conc. $H_2SO_4$ at $50^\circ C$ in ratio of	A. 1 : 2 B. 1 : 1 C. 1 : 3 D. 2 : 1
11	Which Amino acid can be synthesized by over body.	A. Basic amino acids B. Acidic amino acids C. Essential amino acids D. Non-essential amino acids
12	Which of the following statement about electron affinity of two elements is correct	A. Carbon has greater than oxygen B. Sulphur has less than oxygen C. Iodine has greater than bromine D. Bromine has less than chlorine
13	Zwitter ion is _____ ion an amino acid	A. Polar B. Monopolar C. Dipolar D. Non polar
14	According to Boyle's law. which parameters give a straight line parallel to x-axis, when we plot a graph between	A. V and T B. P and V C. P and $1/V$ D. P and PV
15	Which of the following will affect the rate :	A. First step of reaction. B. Last step of reaction. C. Rate determining step. D. ...

		D. Fastest step.
16	Which is a good nucleophile?	A. $F^{-1}$ B. $Cl^{-1}$ C. $Be^{-1}$ D. $I^{-1}$
17	Pakistan in the beginning was a country :	A. Industrial B. Chemical C. Agrarian D. Technologies
18	Neutrons was discovered by	A. Mosely B. Milliken C. Chadwick D. Ruherford
19	Thre rate of $S_N2$ reaction depends upon the	A. Concentration of alkyl halides B. Concentration of nucleophile C. Concentration of alkyl halides and nucleophile D. None of the above
20	Which of the following hydrides has the lowest boiling point?	A. $H_2O$ B. $H_2S$ C. $H_2S_3$ D. $H_2Te$