

## ECAT Chemistry MCQ's Test For Full Book

Sr	Questions	Answers Choice
1	When methane reacts with $\text{Cl}_2$ in the presence of diffused light the products obtained are	A. Chloroform only B. Carbon tetrachloride only C. Chloromethane and dichloromethane D. Mixture of a, b, c
2	Which is not a steroid	A. Cholesterol B. Ergosterol C. Phospholipids D. None of these
3	Hydrogen chloride molecule contains	A. Covalent bond B. Double bond C. Co-ordinate bond D. Electrovalent bond
4	The sum of mole percent of all the components of solution is always equal to :	A. Less than 100 B. One C. 100 D. 10
5	Which of these polymers is an addition polymer	A. Nylon 6,6 B. Polystyrene C. Terylene D. Epoxy resin
6	The art of electroplating was given by	A. Faraday B. Edison C. Thomas Gradam D. Brugan
7	According to MO Theory, the species $\text{O}_2^+$ possesses	A. bond order of 2.5 B. three unpaired C. diamagnetic character D. stability lower then $\text{O}^{2+}$
8	The correct arrangement of increasing order of atomic radius among Na, K, Mg, Rb is	A. $\text{Mg} < \text{K} < \text{Na} < \text{Rb}$ B. $\text{Mg} < \text{Na} < \text{K} < \text{Rb}$ C. $\text{Mg} < \text{Na} < \text{Rb} < \text{K}$ D. $\text{Na} < \text{K} < \text{Rb} < \text{Mg}$
9	Four d-orbitals contain four lobes while fifth contains only two lobes the orbital is	A. $d_{xy}$ B. $d_{xz}$ C. $d_{z^2}$ D. $d_{x^2-y^2}$
10	High purity copper metal is obtained by	A. Carbon reduction B. Hydrogen reduction C. Electrolytic reduction D. Thermite reduction
11	Which is non typical transition element :	A. Ni B. Co C. Y D. Fe
12	Esters have peculiar smell, which of the following is used as an essence of orange	A. Isoamyl acetate B. Isoamyl valerate C. Octyl acetate D. Methyl butyrate
13	Benzene is not prepared from	A. Acetylene B. Phenol C. Benzoic acid D. Bromo benzene
14	When copper is allowed to react with $\text{HNO}_3$ , the reaction is slow in the beginning, finally becomes very fast. It is due to the formation of an auto catalyst which is	A. $\text{Cu}(\text{NO}_3)_2$ B. $\text{CuO}$ C. $\text{O}^{2-}$ D. $\text{HNO}_2$
15	Alkene general formula :	A. $\text{C}_n\text{H}_{2n+2}$ B. $\text{C}_n\text{H}_{2n}$ C. $\text{C}_n\text{H}_{2n+1}$ D. $\text{C}_n\text{H}_{2n-2}$

		<p>C. <math>C_nH_{2n-2}</math></p> <p>D. <math>C_nH_{2n+1}</math></p>
16	Which one of the following substance is no used as drying agent in desiccators	<p>A. Silica gel</p> <p>B. <math>CaCl_2</math></p> <p>C. Phosphorous</p> <p>D. NaCL(50%)</p>
17	The density of a gas is directly proportional to pressure, inversely proportional to temperature and directly proportional to	<p>A. Viscosity</p> <p>B. Molar mass</p> <p>C. Momentum</p> <p>D. All of above</p>
18	Cyclone collector is used for minimizing	<p>A. Radioactive pollution</p> <p>B. Air pollution</p> <p>C. Noise pollution</p> <p>D. Water pollution</p>
19	Question Image	<p>A. 3</p> <p>B. 4</p> <p>C. 5</p> <p>D. 2</p>
20	The general formula for alkenes is	<p>A. <math>C_nH_{2n+1}</math></p> <p>B. <math>C_nH_{2n+2}</math></p> <p>C. <math>C_nH_{2n}</math></p> <p>D. <math>C_nH_{2n-2}</math></p>