

## ECAT Chemistry MCQ's Test For Full Book

Sr	Questions	Answers Choice
1	Which one of the following pentafluorides cannot be formed?	A. $\text{PF}_5$ B. $\text{AsF}_5$ C. $\text{SbF}_5$ D. $\text{BiF}_5$
2	Hemoglobin is 68000 times heavier than:	A. Oxygen atom B. Nitrogen atom C. Carbon atom D. Hydrogen atom
3	In the chemical combination of hydrogen and fluorine to form HF:	A. Sodium atom donates major share of its electrons. B. Hydrogen atom donates the major share of its electrons. C. Both the atoms share the electrons equally. D. None of above.
4	Which of the following is not affected by light	
5	Which one of the following is not an example of chain growth polymer?	A. Neoprene B. Buna-S C. PMMA D. Glyptal
6	A chemical reaction $\text{A} \rightleftharpoons \text{B}$ is said to be in equilibrium when :	A. Rate of transformation of A to B is equal to B to A. B. 50% reactant has been changed to B. C. Conversion of A to B is 50% complete D. Complete conversion of A to B has taken place.
7	Major food factors are:	A. Fats and oils B. Carbohydrates C. Proteins D. All of these
8	Ethyl bromide is formed by the reaction of HBr with	A. Ethane B. Ethene C. Ethyne D. Propane
9	Which of the following reagents is used to distinguish between methanoic acid and ethanoic acid?	A. Aqueous silver nitrate solution B. Neutral ferric chloride C. Sodium hydroxide solution D. Sodium carbonate solution
10	Which of the following is correct?	A. Reduction of any aldehyde gives secondary alcohol B. Reaction of vegetable oil with $\text{H}_2\text{SO}_4$ gives glycerine C. Alcoholic iodine with NaOH gives iodoform D. Sucrose on reaction with NaCl gives invert sugar
11	Marsh gas was the name given to	A. Methane B. Ethane C. Propane D. Butane
12	If four moles of sulphur dioxide are oxidised to sulphur trioxide, how many moles of oxygen molecules are required	A. 0.5 B. 1.0 C. 1.5 D. 2.0
13	Reduction with aluminium isopropoxide in excess of Isopropyl alcohol is called Meerwein Ponnndroff-Verley reduction (MPV). What will be the final product when cyclohex-2-enone is selectively reduces in MPV reaction?	A. Cyclohexanol B. Cyclohex-2-enol C. Cyclohexanone D. Benzene

14	Question Image	A. 1-bromobutane B. 2-bromobutane C. 1-bromo-2-methyl propane D. 2-bromo-2-methyl propane
15	The correct set of quantum numbers (n,l and m) respectively of the unpaired electron of chlorine atom is	A. 2,1,0 B. 2,1,1 C. 3,1,1 D. 3,2,1
16	All gases can be compressed by	A. Keeping constant pressure B. Decreasing pressure C. Increasing pressure D. None of above
17	If initial concentration of the reactants and half life period of the reaction is known, then we can determine	A. Average rate of reaction B. Order of reaction C. Rate constant k D. Instantaneous rate
18	C- X bond is strong in	A. $\text{CH}_3\text{Cl}$ B. $\text{CH}_3\text{Br}$ C. $\text{CH}_3\text{F}$ D. $\text{CH}_3\text{I}$
19	Diethyl ether is obtained by Williamsons synthesis using	A. Ethanol + Na + $\text{C}_2\text{H}_5\text{Br}$ B. Ethanol + Mg + $\text{C}_2\text{H}_5\text{Br}$ C. Methanol + Na + $\text{CH}_3\text{Br}$ D. Methanol + Mg + $\text{CH}_3\text{Br}$
20	The degree of unsaturation in fats or oils is usually measured by numbers of grams of iodine required by 100 grmas of fat, this is called	A. Oil number B. Saturation number C. Iodine number D. Un saturation number