

## ECAT Chemistry MCQ's Test For Full Book

Sr	Questions	Answers Choice
1	Forms of waste products :	A. Heat B. Smoke C. Solid D. All of these
2	Which of the following does not react with phenyl hydrazine?	A. Ethanol B. Ethanal C. Acetone D. Acetophenone
3	The wave length of visible light is 500 nm. In S.I. unit this value is	A. $5 \times 10^{-8}$ m B. $5 \times 10^{-9}$ m C. $500 \times 10^{-7}$ m D. $500 \times 10^{-9}$ m
4	The total number of orbitals possible for the quantum number n is	A. n B. $n^2$ C. 2n D. $2n^2$
5	Acetamides are formed by the reaction of carboxylic acids with	A. Acids B. Bases C. Salts D. $\text{NH}_3$
6	Dilatometer method is useful for the reaction that involve :	A. Small volume changes in solutions B. Change in refractive indices C. Where reactants absorb U.V, visible or infrared radiation
7	The oxidation number of H is -1 in the compound	A. $\text{H}_2\text{O}$ B. $\text{H}_3\text{BO}_3$ C. NaOH D. NaH
8	The number of groups in the periodic table is	A. 6 B. 7 C. 8 D. 9
9	The detection of functional group is called:	A. Numerical analysis B. Qualitative analysis C. Quantitative analysis D. Combustion analysis
10	Mottling of teeth is due to presence of an element in drinking water	A. Mercury B. Fluorine C. Boron D. Chlorine
11	Maximum shielding effect is observing in	A. Li B. Be C. Mg D. Ca
12	In Lucas test tertiary alcohol make an oily layer	A. Immediately B. In 10 mins C. On heating D. Not
13	Which compound would undergo nucleophilic addition	A. Ethene, $\text{C}_2\text{H}_4$ B. Bromoethane, $\text{C}_2\text{H}_5\text{Br}$ C. Ethanal, $\text{CH}_3\text{CHO}$ D. Ethane, $\text{C}_2\text{H}_6$
14	Alkyl halides are reactive :	A. High B. Medium C. Less D. Least

15	18 g glucose is dissolved in 90 g of water. The relative lowering vapor pressure is equal to :	B. 5.1 C. 1/51 D. 6
16	When n-hexane is heated in the presence of Pt at 500°C, it cyclists to give	A. Benzene B. Cyclohexene C. Benzene D. Toluene
17	Ionization energies increase from left to right along the period due to	A. Increase in nuclear charge B. Repulsion of electron increases C. Repulsion of protons increase D. Atomic size increase along the period
18	Which of the following fibres are made of polyamides?	A. Dacron B. Orlon C. Nylon D. Rayon
19	Atoms can be evident by use of electron microscope, field ionization microscope and:	A. x-rays B. Video camera C. Telescope D. Compound microscope
20	Question Image	A. Introduction of an inert gas at constant volume B. Introduction of $\text{PCl}_3(\text{g})$ at constant C. Introduction of $\text{PCl}_5(\text{g})$ at constant volume D. Introduction of $\text{Cl}_2$ at constant volume