

## ECAT Chemistry MCQ's Test For Full Book

Sr	Questions	Answers Choice
1	The value of Plank's constant 'h' is	A. $6.625 \times 10^{-34}$ B. $6.625 \times 10^{-34} \text{ J sec}$ C. $6.625 \times 10^{-34} \text{ KJ}$ D. $6.625 \times 10^{-34} \text{ K Cal}$
2	Aromatic carboxylic acids have carboxyl group attached to group :	A. Alkyl group B. Aryl group C. Phenyl group D. Benzyl group
3	As compared to molar solution, in the molal solution the quantity of solvent is :	A. Comparatively lesser B. More or less equal C. Comparatively greater D. Very large
4	Hydrolysis of alkyl nitriles gives:	A. alkane B. alkyl halide C. alkyl nitride D. carboxylic acids
5	Linear geometry is present in:	A. $\text{Sp}^3$ B. $\text{Sp}^2$ C. $\text{Sp}$ D. $\text{D}^2 \text{sp}^3$
6	Polyester resins have special use in:	A. Clothing B. Paints C. Emulsion D. Floor covering
7	The trade name of polytetrafluoroethylene (PTFE) is	A. Teflon B. PVC C. Terelene D. Polyester
8	Ketones are prepared by the oxidation of:	A. Primary alcohol B. Secondary alcohol C. Tertiary alcohol D. None of these
9	Contamination of Hg comes into surface water from chlor industrial wastes. Why is Hg toxic	A. It attaches to sulphur of the disulphide link B. Hg is a heavy metal C. Hg is liquid at room temperature D. Hg is non reactive chemically
10	Which of the following has ester linkage?	A. Nylon B. Bakelite C. Terylene D. PVC
11	Decomposition of carbonate of alkaline earth metals produce gas	A. $\text{N}_2$ B. Oxide C. $\text{CO}_2$ D. CO
12	From the difference between expected bond energies for the normal covalent bond and experimentally determined values Pauling calculated the values of	A. Ionization potential of elements B. Electron affinity of elements C. Electronegativity of elements D. Bond length
13	Which one of the following statement is wrong regarding differences between aldehydes and ketones	A. Aldehydes undergo reduction to form primary alcohols while ketones undergo reduction to form secondary alcohols B. Aldehydes undergo oxidation to form acids having less number of carbon atoms while ketones undergo oxidation to form acids having same number of carbon atoms C. Aldehydes give positive silver mirror test while ketones give negative -mirror test D. Aldehydes can undergo

polymerization while ketones cannot undergo polymerization

14	Force of attraction between atoms of He is	A. London dispersion forces B. Hydrogen bondign C. Coordinate covalent bond D. Covalent bond
15	SO <sub>2</sub> is not absorbed in water directly to form H <sub>2</sub> SO <sub>4</sub> because:	A. The reaction does not go to completion B. the reaction is quite slow C. the reaction is exothermic D. SO <sub>3</sub> is insoluble in water
16	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
17	Angle in OF <sub>2</sub> is	A. 120° B. 180° C. 105° D. 102°
18	The empirical formula of a liquid compound is known to be C <sub>2</sub> H <sub>4</sub> O. What other information is needed to work out its molecular formula?	A. The percentage composition of the compound B. The relative molecular mass of the compound C. The density of the compound D. The volume occupied by one mole of the compound
19	The formation of compounds like PF <sub>5</sub> , BCl <sub>3</sub> , SF <sub>6</sub> indicates that	A. These halides are ionic B. These halides are covalent C. They are Lewis acids D. Octet rule not obeyed so the rule is not universal
20	Which has the least oxidizing power?	A. F <sub>2</sub> B. Cl <sub>2</sub> C. Br <sub>2</sub> D. I <sub>2</sub>