

ECAT Chemistry MCQ's Test For Full Book

Sr	Questions	Answers Choice
1	Which of the following compounds gives trichloromethane on distilling with bleaching power?	A. Methanal B. Phenol C. Ethanol D. methanol
2	Which of the following phenomena will occur when two atoms of the elements having same spin of electron approach for bonding?	A. Orbital overlap will not occur B. Bonding will not occur C. Both (A) and (B) are correct D. None of the above are correct
3	Corrosion may be prevented by	A. Allcying B. Paints C. Metallic coatings D. All
4	Some non-spontaneous processes can be made to take place by supplying energy to the system from	A. Internal source B. Any source C. External source D. All of above
5	ΔH is equal to	A. $E + PV$ B. $E + P\Delta V$ C. $\Delta E + P$ D. $\Delta E + P\Delta V$
6	Which of these polymers is an addition polymer?	A. Nylon-6,6 B. Polystyrene C. Terylene D. Epoxy resin
7	Alkanes are gases :	A. $C_1 - C_4$ B. $C_5 - C_{10}$ C. $C_{11} - C_{15}$ D. $C_{10} - C_{20}$
8	The vapour pressure of two liquids 'p' and 'Q' are 80 and 60 torr respectively. The total vapour pressure of solution obtained by mixing 3 mole of P and 2 mol of Q would be	A. 140 torr B. 20 torr C. 68 torr D. 72 torr
9	Which of the following is most electronegative?	A. Carbon B. Silicon C. Lead D. Tin
10	Which of the following will be good conductor of electricity	A. Pure distilled water B. Molten NaCl C. Dilute solution of glucose D. Chloroform
11	Which one of the following mixture shows positive deviation form Rault's law and forms an azetrope with minimum boiling point	A. Methanol + CCl_4 B. Methanol + acetone C. Ether + HCl D. Acetone + chloroform
12	Outer shells of two elements X and Y have two and six electrons respectively. If they combine, the expected formula of compound will be	A. XY B. X_2Y C. X_2Y_3 D. XY_2
13	Absolute temperature of a gas is proportional to	A. Rotational kinetic energy B. Translational kinetic energy C. Vibrational kinetic energy D. Potential energy
14	Which among the following elements have lowest value of IE_1 ?	A. Pb B. Sn C. Si D. C

15	Major food factors are:	B. Carbohydrates C. Proteins D. All of these
16	When copper is allowed to react with 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. CuO C. O_2 D. HNO_2
17	Two moles of HI was heated in a sealed tube at 440°C till the equilibrium was reached. HI was found to be 22% decomposed. The equilibrium constant for dissociation is	A. 0.282 B. 0.0796 C. 0.0199 D. 1.99
18	The amount of energy required to remove an electron from an atom of an element in the gaseous state is called	A. Electron affinity B. Electronegativity C. Ionization energy D. None of these
19	Which is the used as test for the presence of alkenes	A. Reaction of cold dilute alkaline KMnO_4 B. Combustion C. Polymerization D. Catalytic hydrogenation
20	One of the following bonds is polar but compound is non-polar	A. H_2O B. NH_3 C. HCl D. CO_2