ECAT Chemistry MCQ's Test For Full Book

Sr	Questions	Answers Choice
1	Zn does not displace Mg from $MgSO_4$solution because	A. Zn is more electropositive than Mg B. Zn is below Mg in electropositive series C. Zn is above Mg in electrochemical series D. Zn is trivalent Mg is divalent
2	A white precipitate ofsilver chlorideimmediately formed on additionof :	A. Silver nitrate solution to sodium chloride solution. B. Silver chloride solution to sodium nitrate solution. C. Silver nitrate solution to potassium chloride solution D. Silver nitrate solution to hydrogen chloride solution.
3	Dehydration of allcohol gives:	A. Alkane B. Alkene C. Aldehyde D. ketone
4	When $H_2$and $I_2$are mixed and equilibrium is attained, then	A. Amount of HI formed is equal to the amount of H₂dissociated B. HI dissociation stops C. The reaction stops completely D. None of these
5	The clotting time of blood is increased due to the deficiency of	A. Vitamin A B. Vitamin K C. Vitamin D D. Vitamin C
6	The tip of the funnel should touch the side of the beaker in order to avoid	A. Splashing B. Leakage C. Mixing D. Contamination
7	Monosubstituted benzene can have disubstitution at position	A. ortho B. meta C. para D. a, b, c
8	Li has the lowest reduction potential while the element with highest reduction potential is	A. H B. F C. O D. N
9	The open chain compounds are also called	A. Aliphatic B. Alicylic C. Aromatic D. Both a and b
10	A double bond consists of:	A. Two sigma bonds B. One sigma and one pi bonds C. One sigma and two pi bonds D. Two pi bonds
11	What is the nature of Al_2O_3	A. Acidic B. Basic C. Amphoteric D. Neutral
12	Chile saltpetre has the chemical formula	A. NaNO₃ B. KNO₃ C. Na₂B₄O₇ D. Na₂CO₃H₂O
13	Which of the following species has the maximum number of unpaired electrons?	A. O₂ B. O₂⁺ C. O₂⁻ D. O₂⁻²
14	The element caesium bears resemblance with:	A. Ca B. Cr C. Both of the above D. None of these

15	17.1 grams sucrose ($C_{12}H_{22}O_{11}$) dissolved in 250 cm^3 of solution. This has molarity	A. 0.1 M B. 0.2 M C. 0.01 M D. 0.02 M
16	Which is the used as test for the presence of alkenes	A. Reaction of cold dilute alkaline KMnO₄ B. Combustion C. Polymerization D. Catalytic hydrogenation
17	The process in which orbitals of different energies and shapes mix up with each other to give equivalent is called,	A. Hybridization B. Polymerization C. Isomerisation D. Carbonization
18	The heat of formation of $SO_2(g)$ is -70.9 Kcal. The energy required for the decomposition of 1 mole of $SO_2(g)$ is	A. 35.50 Kcal B. 70.9 Kcal C. 141.8 Kcal D. -35.9 Kcal
19	Which of the following is non-typical transition element?	A. Cr B. Mn C. Zn D. Fe
20	A dry alkaline cell has porous Zn anode and MnO_2as cathode the electrolyte used is	A. Ca(OH)₂ B. NaOH C. KOH D. NH₄OH