ECAT Chemistry MCQ's Test For Full Book

Sr	Questions	Answers Choice
1	The conductivity of strong electrolyte	A. Increases on dilution slightly B. Does not change on dilution C. Decreases on dilution D. Depends on density of electrolyte it self
2	Acetone is oxidized with	A. Tollen's reagent B. Fehling solution C. Acidic dichromate solution D. Benedicts solution
3	The covalent radius of Cl atom is:	A. 99.4 pm. B. 176.7 pm C. 38 pm D. 76 pm.
4	The value of $K_p$is greater than $K_c$for a gaseous reaction when	A. Number of molecules of products is greater than the reactants B. Number of molecules of reactants is greater than those of products C. Number of molecules of reactants and products equal D. Catalyst is added
5	Which of the following in incorrect?	A. FelCl₃is used in the detection of phenols B. Fehling solution is used in the detection of glucose C. Tollen's reagent is used in detection of unsaturation D. NaHSO₃is used in the detection of carbonyl compounds
6	When methane reacts with Cl_2in the presence of diffused light the products obtained are	A. Chloroform only B. Carbon tetrachloride only C. Chloromethane and dichloromethane D. Mixture of a, b, c
7	The branch of science dealing with structure, composition and changes in matter and laws and principles which govern these changes is called as	A. chesmistry B. Geology C. Physics D. Mechanics
8	Which species represented by the following formula has the largest radius	A. P³⁻ B. Cl⁻ C. A_r D. K⁺
9	Cooling happens under the Joule Thomson Effect due to sudden :	A. Contraction B. Absortption C. Expansion D. All of above
10	When electrons revolve in stationary orbits	A. There is no change in energy level B. They vecome stationary C. They are gaining kinetic energy D. There is increase in energy
11	Rusting can be avoided by :	A. Making alloys B. Tin or Zinc plating C. Use of enamel D. All of these
12	Question Image	A. Condensation B. Electrophilic substitution C. Free radical substitution D. Nucleophilic substitution
13	Dust particles in smoke is a solution of the type	A. Liquid is solute and solid is solvent B. Solid is solute and liquid is solvent C. Solid is solute and gas is solvent D. Gas is solute and solid is solvent
14	Which of the following is acidic?	A. SO₃ B. N₂O C. BeO

		D. HgO
15	Chile saltpetre has the chemical formula	A. NaNO₃ B. KNO₃ C. Na₂B₄O₇ D. Na₂CO₃H₂O
16	Simple aromatic compound is:	A. benzene B. toluene C. aniline D. phenol
17	If the standard electrode potential of CU^{2+}/Cu electrode is 0.34 V, what is the electrode potential of 0.01 M concentration of Cu^{2+}? (T=298)	A. 0.399 V B. 0.281 V C. 0.222 V D. 0.176 V
18	Benzene can be obtained by heating either benzoic acid with X or phenol with Y. X and Y are respectively	A. Zinc dust and soda lime B. Soda time and zinc dust C. Zinc dust and sodium hydroxide D. Soda lime and copper
19	Alkyle halides can be prepared by treating halogen acids with	A. Ethane B. Ethanol C. Ethene and ethanol D. Aldehyde
20	The difference between amount of heat actually released and that of calculated is called	A. Bonding energy B. Activation energy C. Resonance energy D. Transition energy