ECAT Chemistry MCQ's Test For Full Book

Sr	Questions	Answers Choice
1	The order of the rate of diffusion of gases $NH_3, SO_2, CL_2,$ and CO_2 IS :	A. $NH_3 > SO_2 > CL_2 > CO_2$ B. $NH_3 > CO_2 > SO_2 > CL_2$ C. $CL_2 > SO_2 > CO_2 > NH_3$ D. $NH_3 > CO_2 > CL_2 > SO_2$
2	A solution can be	A. Dilute and concentrated B. Saturated and dilute C. Saturated and unsaturated D. Supersaturated and saturated
3	In which one of the following compound rings are not fused together at ortho positions	A. Phenanthrene B. Naphthalene C. Diphenyemethane D. Anthracene
4	CsF is an ionic compound because:	A. High I.P of Cs and high E.A of F. B. High I.P of Cs and low E.A of F. C. Low I.P of Cs and high E.A of F. D. Low I.P of Cs and low E.A of F.
5	Precipitation will occur until the ionic product becomes	A. Equal to K_{sp} B. Lesser than K_{sp} C. Greater than K_{sp} D. None of these
6	Ascorbic acid contains 40.92% carbon, 4.58%, hydrogen and 54.4% oxygen. The empirical formula is	A. $C_3H_4O_3$ B. $C_2H_4O_3$ C. $C_3H_5O_4$ D. $C_2H_3O_1$
7	Which statement about the following equilibrium in correct? $2SO_{2\ (g)} + O_{2(g)} \text{--------------} 2sO_{3(g)} H= -188.3\ KJ\ mol\text{-}1$	A. T value of K_p falls witha rise in temperate. B. The value of K_p falls withincreasing pressure C. Adding V_2O_5 catalyst increase the equilibrium yield of sulfur trioxide D. The value of K_p is equal to K_p E.
8	An excess of aqueous silver nitrate is added to aqueous barium chloride and precipitate is removed by filtration. What are the main ion in filtrate?	A. Ag^+ and NO_3^- only B. Ag^+ and Ba^{2+} and NO^{-3} C. Ba^2 and NO^{-3} D. Ba^2 and NO^{-3} and Cl^-
9	Steel is manufactured by open Hearth process from.	A. Wrought iron B. Cast iron C. Steel scrap D. All of the above
10	The acid present in vinegar is	A. CH_3COOH B. HCl C. H_2SO_4 D. HCOOH

11	If 18 g glucose ($C_6H_{12}C_6$) is present in 1000 g of an aqueous of glucose it is said to be	A. 1 molal B. 1.1 molal C. 0.5 molal D. 0.1 molal
12	Unit of ozone is:	A. Debye B. Dobson C. Esu D. Coulumb
13	Amiino acids are building blocks of:	A. Protein B. Carbohydrates C. Lipids D. Fats
14	Activity of the enzyme is reduced by	A. Temperature B. Concentration C. pH D. Inhibitors
15	Mustard gas is a :	A. Gas B. Liquid C. Solid D. High boiling point
16	Which one of the followings is a heterocyclic compound	A. Cyclohexanol B. Phenol C. Pyridine D. Anthracene
17	Acidic hydrolysis of acetamide gives	A. Acetaldehyde B. Acetic acid C. Methyl amine D. Formic acid
18	Fluorine molecule is formed by	A. The axial p-p overlap B. The sidewise p-p overlap C. The axial s-p overlap D. The overlap of two sp^2 hybrid orbitals
19	The state of equilibrium refers to	A. State of rest B. Dynamic state C. Stationary state D. State of inertness
20	When ammonia is heated with cupric oxide, a molecule of ammonia will	A. Gain 3 electrons B. Lose 3 electrons C. Gain 2 electrons D. Lose 2 electrons