ECAT Chemistry MCQ's Test For Full Book

Sr	Questions	Answers Choice
1	In the reaction of oxalic acid with $KMnO_4$and $H_2SO_4$is slow at the beginning but after sometimes the reaction becomes faster due to	A. Formation of MnSO₄which acts as 'Auto catalyst B. Formation of CO₂which acts as 'Auto catalyst C. Formation of K₂SO₄which acts as 'Auto catalyst D. Evolution of O₂gas which acts as 'Auto catalyst
2	Sodium phenoxide reacts with CO_2at 400 K and 4.7 atm pressure to give	A. Sodium salicylate B. Salicyl aldehyde C. Catechol D. Benzoic acid
3	Hydrogen bonding is present between the molecules of	A. NH₃ B. H₂O C. HF D. All of above
4	Cyanoform is _____ acid in nature than the chloroform. The missing word is	A. Stronger B. Weaker C. Amphoteric D. Neutral
5	Keeping the temperature constant, if the gas is expanded	A. kinetic energy of molecules will increase B. Number of gas molecules increases C. Temperature will increases D. Pressure will decrease
6	In sixth period 14 of its transition elements are called	A. Lanthanides B. Actinides C. Radioactive elements D. None
7	A catalyst is a substance which increase the rate of a chemical reaction, but remains unchanged at the end of reaction, nut remains unchanged at the end of reaction, because	A. It increases the temperature B. It increase the surface area C. It increases the rate constant D. It decrease the energy energy of activation
8	The equation of the rate of forward reaction is.	A. Kf B. Kf(C)(D) C. Kr(A)(B) D. Kr(A)(B) / Kf(C)(D)
9	The electrode through which the electrons enter the electrolytic solution is electrolytic solution is	A. Anode B. Cathode C. May be anode or cathode D. None of these
10	The atomic mass is measured in atomic mass unit (a.m.u.) which is equal to	A. 1.661 x 10^{-27- Kg} B. 1.661 x 10⁻²⁴Kg C. 1.661 x 10^{-27- g} D. 1.661 x 10⁻²⁴mg
11	Question Image	A. The ionization energy of A is high and electron affinity of B is low B. The ionization energy of A is low and electron affinity of B is high C. Both the ionization energy of A and electron off affinity of B are high D. Both the ionization energy of A and electron affinity of B are low
12	The diameter of atoms is of the order:	A. 2* 10⁻⁵m B. 2* 10⁻¹⁰m^{<o:p></o:p>} C. 2* 10⁻²m D. 2* 10⁻³m

13	When chlorofluoro carbon are subjected to U.V. they form	A. Cations B. Anions C. Free radicals D. None of these
14	The reaction between primary amine-chloroform and alcoholic caustic potash is called	A. Wurtz reaction B. Frankland reaction C. Cannizzaro's reaction D. Carbylamine reaction
15	A graph b/w P and 1/V at constant temperature and number of moles is parallel to :	A. Y-axis B. Z-axis C. X-axis D. None of above
16	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
17	Maximum hydrogen bonds in water are	A. 4 B. 3 C. 2 D. 8
18	Which of the substances Na, Hg, S Pt and graphite can be used as electrodes in electrolytic cells having aqueous solution?	A. Na, Pt and graphite B. Na and Hg C. Pt and graphite only D. Na and S only
19	Which has soapy touch?	A. $Na_2B_4O_7$ B. H_3BO_3 C. $Ca_2B_6O_{11}$ D. HBO_2
20	Nylon, 6,6 is a condensation polymer of	A. Adipic acid and glycol B. Phthalic acid and glycol C. Adipic acid and hexaethylene diamine D. Pthalic acid and hexaethylene diamine