ECAT Chemistry MCQ's Test For Full Book

Sr	Questions	Answers Choice
1	For which system does the equilibrium constant, kc has units of (concentration) ?	A. N₂+3H₂₋₋-----2NH₃<o:p></o:p> B. H₂+L₂--------2HL<o:p></o:p> C. 2NO₂----------N₂O₄<o:p></o:p> D. 2HF--------H2+F₂<o:p></o:p>
2	Question Image	A. Shift reaction toward forward direction B. Shift reaction backward C. Lower the value of K_c D. No change in reaction
3	The shape of the molecule $SF_2Cl_2$is	A. Trigonal bipyradmidal B. Cubic C. Octahedral D. Tetrahedral
4	A limiting reactant is the one which	A. Is taken in lesser quantity in grams as compared to other reactants B. Is taken in lesser quantity in volume as compared to other reactants C. Gives the maximum amount of the product which is required D. Gives the minimum amount of the product under consideration
5	Potable water is considered to be	A. Safe for human consumption B. Not safe for human consumption C. The surface water D. The ground water
6	Benzene acid can be prepared from the oxidation of:	A. benzene B. ethyl benzene C. benzonic acid D. toluene
7	When acetic acid and ethanol react together an ester is formed which is called	A. Ethyl ester B. Ethanoic acid C. Ethanoic acid D. Ethyl acetate
8	The ionic product of H^+ions and OH^-in water is called ionization constant of water Kw. The value of Kw at 25°C is	A. 0.11 x 10⁻¹⁴ B. 0.30 x 10⁻¹⁴ C. 1.0 x 10⁻¹⁴ D. 3 x 10⁻¹⁴
9	Which of the following statements is true about Galvanic cell	A. Anode is negatively charged B. Reduction occurs at anode C. Cathode is positively charge D. Reduction occurs at cathode
10	The spectrum of He is expected to be similar to that of	A. H B. Na C. He⁺ D. Li⁺
11	Objects of the size of an atom can be observed in	A. An electron microscope B. An x-ray spectrum C. Atomic absorption spectrum D. A visible spectrum
12	The addition of a catalyst to a reaction changes the	A. Enthalpy B. Entropy C. Nature of reactants D. Energy of activation
13	Self linkage of carbon to produce long chains	A. isomerism B. Polymorphism C. Polymerization D. Catenation

14	Which salt is used for preserving food	A. BaCl₂ B. CaCl₂ C. NaCl D. Na₂SO₄
15	Which is not true with respect to cathode rays?	A. A stream of electrons B. Charged particles C. Move with speed as that of light D. Can be deflected by magnetic fields
16	When potassium metal is exposed to violet light	A. Ejection of electrons takes place B. Ejection of some potassium atoms occurs C. There is no effect D. The absorption of electrons takes place
17	Acidification of the soils due to addition of synthetic nitrogen fertilizer, is corrected by using	A. Gypsum B. Sodium nitrate C. Limestone D. Potassium nitrate
18	An aqueous solution is neutral when its	A. pH = 14 B. pH = zero C. pH = 7 D. Kw = 10⁻⁷
19	Plastics are pollution problem because many plastics:	A. Are made from petroleleum B. Are very inflammable C. Burn to produce toxic funes D. Decompose to produce toxic products
20	A system undergoes a change to attain the state of	A. High energy B. Low energy C. Moderate energy D. None of these