

ECAT Chemistry MCQ's Test For Full Book

Sr	Questions	Answers Choice
1	Burning of coal and hydrocarbon in air are examples of :	A. Non-spontaneous reaction. B. Spontaneous reaction. C. Natural reaction D. Both (a) and (C)
2	The substance upon which an enzyme acts is known as its	A. Domain B. Field C. Substrate D. Reactant
3	A pollutant affects	A. Human health B. Quality of life C. Functioning of ecosystem D. All of these
4	Acetone reacts with HCN to form a cyanohydrin. It is an example of:	A. Nucleophilic substitution B. Nucleophilic addition C. Electrophilic addition D. Electrophilic substitution
5	The process of electrical coating of one metal on another to protect, decorate or to have greater resistance to corrosion is called	A. Electroplating B. Electrolysis C. Conduction D. Induction
6	Amino acids are bifunctional organic compounds what are the two function groups	A. Carboxylic acid and alcohol B. Alcohol and aldehyde C. Carboxylic acids and ketone D. Amino group and carboxylic acid
7	The compounds which have any atom other than Carbon atom, in rings are called as	A. Monocyclic B. Heterocyclic C. Homocyclic D. None of the above
8	An aqueous solution is neutral when its	A. pH = 14 B. pH = zero C. pH = 7 D. $K_w = 10^{-7}$
9	_____ is used in breathing equipments for mountaineers and in space craft	A. Li_2O B. BeO C. N_2 D. KO_2
10	Question Image <input type="text"/>	A. The value of K_p falls with a rise in temperature B. The value of K_p falls with increasing pressure C. Adding V_2O_5 catalyst increase the equilibrium yield of sulphur trioxide D. The value of K_p is equal to K_c
11	Question Image <input type="text"/>	A. 0 1 B. 0 2 C. 1 1 D. 1 2
12	Rates of organic reactions are	A. Fast B. Very fast C. Slow D. Non-reactive
13	In which type of following solutions the total volume of solutions may not be necessarily equal to sum of volumes of solute and solvent ?	A. Percentage volume/volume B. Percentage volume/weight C. Percentage weight/volume D. Percentage weight/weight
		A. Complete conversion of A to B has taken place B. Conversion of A to B is only 50%

14	Question Image	complete C. Only 10% conversion of A to B has taken place D. The rate of transformation of A to B is just equal to rate of transformation of B to A in the system
15	SO ₂ is not absorbed in water directly to form H ₂ SO ₄ because:	A. The reaction does not go to completion B. the reaction is quite slow C. the reaction is exothermic D. SO ₂ is insoluble in water
16	The ionization constant of an acid is expressed in terms of the following constant	A. K _w B. K _n C. K _a D. K _b
17	The most stable phosphorus allotrope is	A. White B. Red C. Black D. All
18	The element with highest electron affinity among the halogens is	A. F B. Cl C. Br D. I
19	The isotopes of an element	A. Possess same mass number B. Possess same number of protons C. Do not possess same chemical properties D. May or may not possess same chemical properties
20	Which statement is not correct	A. Enzymes catalyze a specific reaction B. Enzymes show catalytic activity at a specific temperature C. The catalytic activity of enzymes is stopped if optimum pH is changed D. The catalytic activity is poisoned by a co-enzyme