

ECAT Chemistry MCQ's Test For Full Book

Sr	Questions	Answers Choice
1	The addition of HBr is easiest with	A. $\text{CH}_2 = \text{CHCl}$ B. $\text{ClCH} = \text{CHCl}$ C. $\text{CH}_3 - \text{CH} = \text{CH}_2$ D. $(\text{CH}_3)_2\text{C} = \text{CH}_2$
2	Bone ash contains calcium phosphate	A. 70% B. 80% C. 90% D. 100%
3	An electrophile may be	A. Positive B. Negative C. Neutral D. Both c and a
4	Energy of electron in the infinite Bohr orbit of H-atom is	A. 0 KJ/mole B. 1 KJ/mole C. -1 KJ/mole D. -1313.32 KJ/mole
5	Carboxylic acids on complete reduction in the presence of HI and red phosphorus gives:	A. Esters B. Alcohols C. Alkanes D. Aldehydes
6	$3.01 \times 10^{22} \text{Ag}^+$ ions is present in	A. 85 grams AgNO_3 B. 0.85 g AgNO_3 C. 8.5 g AgNO_3 D. 18.5 g AgNO_3
7	Cane sugar is not soluble in benzene but soluble in water because	A. Cane sugar is a macro molecule B. Cane sugar is an ionic compound C. Can sugar has hydrogen bonding D. Can sugar is an organic molecule
8	Enzymes, in the living systems	A. Provide energy B. Provide immunity C. Transport oxygen D. Catalyze biochemical processes
9	1, 3-Dibromopropane reacts with metallic zinc to form	A. Propene B. Propane C. Cyclopropane D. Hexane
10	For the above reaction the relationship b/w k_c and k_p will be :	A. $K_p = K_c(RT)^{-1}$ B. $K_p = K_c(RT)^{-2}$ C. $K_p = K_c(RT)^{-1}$ D. $K_p = K_c(RT)^{-2}$
11	The condition for standard enthalpy change is	A. 1 atm 30°C B. 1 atm 50°C C. 1 atm 25°C D. 760 atm 25°C
12	Polycyclic aromatic hydrocarbons are taught to be	A. Disinfectant B. Carcinogenic C. Helpful D. Reactive
13	Aldol condensation is actually	A. Electrophilic addition of carbonation B. Electrophilic addition of carbonium ion C. Nucleophilic addition of carbonation D. Nucleophilic addition of carbonium ion

14	Grignard's reagent was prepared in:	A. 1900 B. 1910 C. 1920 D. 1930
15	The addition of a catalyst to a reaction changes the	A. Enthalpy B. Entropy C. Nature of reactants D. Energy of activation
16	A polymer may be	A. Linear B. Branched C. Cross linked D. All of these
17	Sterols, vitamin D and terpenes belong to	A. Simple lipids B. Complex lipids C. Derived lipids D. None
18	Ethanol can be converted into ethanoic acid by	A. Hydrogenation B. Hydration C. oxidation D. Fermentation
19	In Bohr model of hydrogen atom the distance between adjacent orbits increases away from the nucleus, the energy difference between the orbits	A. Increases B. Decreases C. Remaining same D. Orbits coincide
20	Which compound is the most reactive one:	A. benzene B. ethene C. ethane D. ethyne