

Chemistry General Science Test Hard Mode

Sr	Questions	Answers Choice
1	In a reversible chemical reaction having two reactants in equilibrium if the concentration of the reactants are doubled then the equilibrium constant will	A. Also be doubled B. Be halved C. Becomes one fourth D. Remains the same
2	At room temperature formaldehyde is	A. Gas B. Liquid C. Solid D. None of the above
3	The valence orbital configuration of an element with atomic number 23 is	A. $3d^5$ B. $3d^3 4s^2$ C. $3d^3 4s^1$ D. $3d^2 4s^2$
4	The unit of rate constant for a zero order reaction is	A. Liter sec $^{-1}$ B. Liter mol $^{-1}$ sec $^{-1}$ C. Mol liter $^{-1}$ sec $^{-1}$ D. Mol sec $^{-1}$
5	Which has maximum protein content?	A. Ground nut B. Cow milk C. Egg D. Wheat
6	Oleum is	A. Castor oil B. Oil of vitriol C. Fuming of SO_2 D. None of them
7	Which metal is protected by a layer of its own oxide?	A. Al B. Ag C. Au D. Fe
8	A clathrate may be defined as a	A. Cage compound B. Liquid crystal C. Mixture D. Solid solution
9	The osmotic pressure of solution increases if	A. Temperature is decreased B. Solution constant is increased C. Number of solute molecules are increased D. Volume is increased
		A. Magnesium B. Zinc

10	Which of the following is an example of body centred cube?	D. Zinc C. Copper D. Sodium
11	Propyne on hydrolysis in presence of H_2SO_4 and HgSO_4 gives	A. Acetaldehyde B. Acetone C. Formaldehyde D. None
12	Which one is not usually used for the crystallization	A. Acetone B. Acetic acid C. Sulphuric acid D. Chloroform
13	An endothermic reaction is one in which	A. Heat is converted into electricity B. Heat is absorbed C. Heat is evolved D. Heat is converted into mechanical work
14	The addition of HBr is easiest with	A. $\text{CH}_2 = \text{CHCl}$ B. $\text{CICH} = \text{CHCl}$ C. $\text{CH}_3 - \text{CH} = \text{CH}_2$ D. $\text{CH}_2 = \text{CHCl}$
15	A zero order reaction is one whose rate is independent of	A. Temperature of the reaction B. The concentration of the reactants C. The concentration of the products D. The material of the vessel in which the reaction is carried out
16	The rate of reaction between A and B increases by a factor of 100 when the concentration with respect to A is increased 10 folds the order of reaction w.r.t A is	A. 10 B. 1 C. 4 D. 2
17	When quantity of electricity passed is one faraday then the mass deposited at the electrode is equal to	A. One gm. atomic weight B. One gm. Equivalent weight C. Electrochemical equivalent D. None of the above
18	Among alkali metal salts, the lithium salts are the poorest conductors of electricity in aqueous solution because of	A. Easy diffusion of Li^{+} ions B. Lower ability of Li^{+} ions to polarize water molecules C. Lowest charge to radius ratio D. Higher degree of hydration of Li^{+} ions.
19	The formula of nitre is	A. KNO_3 B. NaNO_3 C. NaCl D. Na_2CO_3
20	Dilute hydrochloric acid solution cannot be concentrated by boiling beyond	A. 11% B. 33% C. 44% D. 22%