

Chemistry General Science Test Hard Mode

Sr	Questions	Answers Choice
1	The rotation of two carbon atoms joined by double bond would happened only if	A. Pi bond is broken B. Sigma bond is broken C. Both bonds are broken D. None of above
2	Hydrolytic conversion of sucrose into glucose and fructose is known as	A. Induction B. Inversion C. Insertion D. Inhibition
3	The last orbit of argon would have electrons	A. 8 B. 18 C. 2 D. 6
4	Which has the largest radius?	A. CO^{3+} B. Mn^{3+} C. Fe^{3+} D. Cr^{3+}
5	Bragg's law is given by equation	A. $n \lambda \sin \theta = 2 d \sin \theta$ B. $n \lambda = 2 d \sin \theta$ C. $2n\lambda = d \sin \theta$ D. $n\lambda = 1/2 d \sin \theta$
6	For the reaction $2\text{A}(\text{g}) + \text{B}(\text{g}) \rightleftharpoons 3\text{C}(\text{g}) + \text{D}(\text{g})$ two moles each of A and B were taken into a flask The following must always be true when the system attained equilibrium	A. $[\text{A}] = [\text{B}]$ B. $[\text{A}] < [\text{B}]$ C. $[\text{B}] = [\text{C}]$ D. $[\text{A}] > [\text{B}]$
7	The vapour density of a gas is 11.2 The volume occupied by 11.2 g of this gas at N.T.P is	A. 22.4 liters B. 11.2 liters C. 1 liter D. 2.24 liters
8	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
9	Toluene can be oxidized to benzoic acid by	A. KMnO_4 (alk) B. $\text{K}_2\text{Cr}_2\text{O}_7$ (acidic) C. Both D. None
10	Ionic solids with defects contain	A. Equal number of cation and anion vacancies B. Interstitial anions and anion vacancies C. Cation vacancies only D. Cation vacancies and interstitial cations
11	Number of elements presents in the fifth period of periodic table is	A. 8 B. 10 C. 18 D. 32
12	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
13	Salol is prepared from	A. Salicylic acid and phenol B. Salicylic acid and methyl alcohol C. Both D. None
14	Maximum number of active hydrogens are present in	A. Acetic-acid B. Glycerol C. Methane

D. Methanol

15	A clathrate may be defined as a	A. Cage compound B. Liquid crystal C. Mixture D. Solid solution
16	Sodium thiosulfate is used in photography because of its	A. Oxidizing behaviour B. Reducing behaviour C. Complexing behaviour D. Photochemical behaviour
17	$\Delta H_{\text{Neutralisation}}$ is always	A. Positive B. Negative C. Zero D. Positive or negative
18	The wire in the flash bulbs is made up of	A. Mg B. Ba C. Cu D. Ag
19	The disaccharide present in milk is	A. Sucrose B. Maltose C. Lactose D. Cellobiose
20	Which of the following does not reflect the periodicity of elements?	A. Bonding behaviour B. Electronegativity C. Ionisation potential D. Neutron/proton ratio.