

## Chemistry General Science Test Hard Mode

Sr	Questions	Answers Choice
1	Potassium crystallizes with a	A. Orthogonal lattice B. Cubic lattice C. Triclinic D. Ortho rhombic lattice
2	Saturated solution of NaCl on heating becomes	A. Super saturated B. Unsaturated C. Remains saturated D. None
3	The number of atoms in 0.0004 g of magnesium is close to	A. 24 B. $2 \times 10^{20}$ C. $10^{20}$ D. $6.02 \times 10^{23}$
4	Which one is primary alcohol?	A. <span style="font-size: 14.44444465637207px;">Buten-2-ol</span> B. <span style="font-size: 14.44444465637207px;">Propan-2-ol</span> C. <span style="font-size: 14.44444465637207px;">Butane-1-ol</span> D. <span style="font-size: 14.44444465637207px;">2,3-Dimethylhexane-4-ol</span>
5	A clathrate may be defined as a	A. Cage compound B. Liquid crystal C. Mixture D. Solid solution
6	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
7	One mole of a gas refers to	A. The number of molecules in one litre of gas B. The number of molecules in one gram of gas C. The number of molecules contained in 12 grams of $^{12}\text{C}$ isotope D. The number of molecules in 22.4 liters of a gas at S.T.P.
8	Which of the following has linear shape?	A. SP B. $\text{SP}^2$ C. $\text{SP}^3$ D. None of the above
9	Gooch crucible is used for the filtration of precipitates having	A. High solubility B. High concentration C. High ignition temperature D. Low temperature
10	At 500 K the equilibrium constant for reaction $\text{cis-C}_2\text{H}_2\text{Cl}_2 \rightleftharpoons \text{trans-C}_2\text{H}_2\text{Cl}_2$ is 0.6. At the same temperature the equilibrium constant for the reaction $\text{trans-C}_2\text{H}_2\text{Cl}_2 \rightleftharpoons \text{cis-C}_2\text{H}_2\text{Cl}_2$ will be	A. 0.60 B. 1.67 C. 0.66 D. 2.6
11	Wholer prepared ures from	A. Ammonia B. $\text{NH}_4\text{CNO}$ C. $\text{NH}_3$ D. uric acid
12	Which of the following alkali metal hydroxides is the strongest base?	A. LiOH B. NaOH C. KOH D. CaOH

13	Which of the following cannot be produced by acidic dehydration of alcohols?	A. Ethers B. Aldehyde C. Alkyl Hydrogen sulphate D. Alkene
14	The heats evolved in combustion of rhombic and monoclinic sulphur are - 70960 and - 71030 cal mol <sup>-1</sup> respectively what will be heat of conversion of rhombic sulphur to monoclinic?	A. 70960 calories B. 71030 calories C. -70 calories D. +70 calories
15	Which metal is protected by a layer of its own oxide?	A. Al B. Ag C. Au D. Fe
16	The movement of solvent molecules through a semipermeable membrane is called	A. Electrolysis B. Electrophoresis C. Osmosis D. Cataphoresis
17	Which of the following has greatest tendency to lose electron?	A. F B. Fr C. S D. Be
18	Which one is not a pollutant normally?	A. Hydrocarbons B. Carbon dioxide C. Carbon monoxide D. Sulphur dioxide
19	Maximum number of active hydrogens are present in	A. Acetic-acid B. Glycerol C. Methane D. Methanol
20	When sulphur is boiled with Na <sub>2</sub> SO <sub>3</sub> solution the compound formed is	A. Sodium sulphides B. Sodium sulphates C. Sodium persulphate D. Sodium thiosulphate