

## 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	Setting of cement is an	A. Exothermic reaction B. Endothermic reaction C. Neither exothermic nor endothermic D. None
3	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
4	Covalent compounds are soluble in	A. Polar solvents B. Non-polar solvents C. Concentrated acids D. All solvents
5	Which one is the property of an ideal solvent	A. Should be expensive B. It should react chemically with the solute C. Impurities should crystallize along with the solute D. Should be safe to use
6	Which one of the following elements occurs free in nature?	A. $\text{N}$ B. P C. As D. Sb
7	Saturated solution of NaCl on heating becomes	A. Super saturated B. Unsaturated C. Remains saturated D. None
8	Which is true for an element R present in group 13 of the periodic table?	A. It is a gas at room temperature B. It has oxidation state of +4 C. It forms $\text{R}_2\text{O}_3$ D. It forms $\text{RX}_2$
9	A clathrate may be defined as a	A. Cage compound B. Liquid crystal C. Mixture D. Solid solution
10	Which one of the following has the lowest boiling point?	A. $\text{B}$ B. $\text{Al}$ C. $\text{Ga}$ D. $\text{Ti}$
11	An electrolyte	A. Forms complex ions in solution B. Gives ions only when electricity is passed C. Possesses ions even in solid state D. Gives ions only when dissolved in water
12	Fluorine does not show positive oxidation states due to the absence of	A. d-orbitals B. s-orbitals C. p-orbitals D. None
13	Which of the following units represents largest amount of energy?	A. Calorie B. Joule C. Erg D. Electron vol.
		A. Acetic-acid

14	Maximum number of active hydrogens are present in	B. Glycerol C. Methane D. Methanol
15	The halide which is not hydrolysed is	A. $\text{SiCl}_4$ B. $\text{SiF}_4$ C. $\text{CCl}_4$ D. $\text{PbCl}_4$
16	The most reactive compound for electrophilic nitration will be	A. Benzyl chloride B. Benzoic acid C. Nitrobenzene D. Chlorobenzene
17	Ascorbic acid is a chemical name of	A. Vitamin D B. Vitamin A C. Vitamin C D. Vitamin B <sub>6</sub>
18	Which one is primary alcohol?	A. $\text{Buten-2-ol}$ B. $\text{Propan-2-ol}$ C. $\text{Butane-1-ol}$ D. $\text{2,3-Dimethylhexane-4-ol}$
19	2 g oxygen contains number of atoms equal to that in	A. 0.5 g of hydrogen B. 4 g of sulphur C. 7 g of nitrogen D. 2.3 g of sodium
20	The number of atoms in 0.0004 g of magnesium is close to	A. 24 B. $2 \times 10^{20}$ C. $10^{20}$ D. $6.02 \times 10^{23}$