

## Chemistry General Science Test Hard Mode

Sr	Questions	Answers Choice
1	Phosphide ion has the electronic structure similar to that of	A. Nitride ion B. Fluoride ion C. Sodium ion D. Chloride ion
2	The formula of nitre is	A. $\text{KNO}_3$ B. $\text{NaNO}_3$ C. NaCl D. $\text{Na}_2\text{CO}_3$
3	The kinetic theory of gases predicts that total kinetic energy of a gaseous assembly depends on	A. Pressure of the gas B. Temperature of the gas C. Volume of the gas D. Pressure temperature and volume of the gas
4	How many kinds of space lattices are possible in a crystal?	A. 23 B. 7 C. 230 D. 14
5	The percentage of oxygen in NaOH is	A. 40 B. 60 C. 8 D. 10
6	Inert pair effect plays an important role in case of	A. F B. Al C. Si D. Ti
7	Maximum number of active hydrogens are present in	A. Acetic-acid B. Glycerol C. Methane D. Methanol
8	Benzene is obtained by fractional distillation of	A. Heavy oil B. Anthracene oil C. Middle oil D. Light oil
9	A chemical reaction A B is said to be in equilibrium when	A. Complete conversion of A to B has taken place B. Conversion of A to B is only 50% complete C. Only 10% conversion of A to B has taken place D. The rate of transformation of A to B is just equal to rate of transformation of B to A in the system
10	Which of the following statement is correct if the intermolecular forces in liquids A, B and C are in the order $A < B < C$ ?	A. B evaporates more readily than A B. B evaporates less readily than C C. A and B evaporates at the same rate D. A evaporates more readily than C
11	The last orbit of argon would have electrons	A. 8 B. 18 C. 2 D. 6
12	Gooch crucible used to filter the solution of	A. $\text{H}_2\text{SO}_4$ B. HCl C. $\text{KMnO}_4$ D. Both B & C
13	Most common reactions of benzene and its derivatives are	A. Electrophilic addition reactions B. Electrophilic substitution reactions. C. Nucleophilic addition reactions D. Nucleophilic substitution reactions
14	Portland cement is manufactured by using	A. Limestone, clay and sand B. Limestone, gypsum and sand C. Limestone, gypsum and alumina D. Limestone, clay and sand

15	The equilibrium $\text{Cr}_2\text{O}_7^{2-} \rightleftharpoons 2\text{CrO}_4^{2-}$ is shifted to right in	A. An acidic medium B. A basic medium C. A neutral medium D. It does not exist
16	Which of the following represents elements in order of increasing atomic size?	A. I, Br, Cl B. Na, Mg, C C. C, N, O D. Li, Na, K
17	Carbon atom holding halogen in aryl halides is	A. $\text{sp}^2$ -hybridised B. $\text{sp}^3$ -hybridised C. $\text{sp}$ -hybridised D. $\text{d}^2\text{sp}^3$ -hybridised
18	The mass of the neutron is of the order of	A. $10^{-23}$ kg B. $10^{-24}$ kg C. $10^{-26}$ kg D. $10^{-27}$ kg
19	The ratio of the ionization energy of H and $\text{Be}^{3+}$ is	A. 1 : 1 B. 1 : 3 C. 1 : 9 D. 1 : 16
20	The digestion of fats in the intestines is aided by	A. Diffusion B. Protection C. Peptization D. Emulsification