

## Chemistry General Science Test Hard Mode

Sr	Questions	Answers Choice
1	Fertilizer are made by	A. Nature only B. Artificial methods only C. Both artificial and natural methods D. None of the above
2	Among the alkaline earth metals the element forming predominantly covalent compounds is	A. Be B. Mg C. Sr D. Calcium
3	1-Chloropropane has two isomers It is an example of	A. Chain isomerism B. Position isomerism C. Functional group isomerism D. Metamerism
4	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
5	The rate of a reaction can be increased in general by all the factors except by	A. Using a catalyst B. Increasing temperature C. Increasing the activation energy D. Increasing the conc. of reactants
6	Dehydration of glycerol give	A. Propane B. Propene C. Acrolein D. Benzene
7	Octane number can be changed by	A. Isomerisation B. Alkylation C. Cyclisation D. All of these
8	The formula of nitre is	A. $\text{KNO}_3$ B. $\text{NaNO}_3$ C. $\text{NaCl}$ D. $\text{Na}_2\text{CO}_3$
9	Number of elements presents in the fifth period of periodic table is	A. 8 B. 10 C. 18 D. 32
10	In which molecule carbon atom is $sp^2$ hybridized	A. $\text{CH}_4$ B. $\text{C}_2\text{H}_4$ C. $\text{C}_2\text{H}_2$ D. None of the above
11	Which of the following species participate in sulphonation of benzene ring?	A. $\text{H}_2\text{SO}_4$ B. $\text{HSO}_3^-$ C. $\text{SO}_3$ D. $\text{SO}_2$
12	Reaction of ethylamine with chloroform in alcoholic KOH producers	A. $\text{CH}_3\text{CH}_2\text{OH}$ B. $\text{CH}_3\text{CH}_2\text{NC}$ C. $\text{C}_2\text{H}_5\text{NC}$ D. $\text{C}_2\text{H}_5\text{CN}$
13	Which is the most amphoteric?	A. $\text{Na}_2\text{O}$ B. $\text{MgO}$ C. $\text{Al}_2\text{O}_3$ D. $\text{CaO}$
14	Which of the following cannot be produced by acidic dehydration of alcohols?	A. Ethers B. Aldehyde C. Alkyl Hydrogen sulphate D. Alkene
15	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

16	Ethyl chloride on treatment with aqueous alkali gives	A. Ethane B. Ethene C. Ethanal D. Ethanol
17	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
18	A cell constant is generally found by measuring the conductivity of aqueous solution of	A. $\text{BaCl}_2$ B. KCl C. NaCl D. $\text{MgCl}_2$
19	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
20	Calcium acetate when dry distilled gives	A. Formaldehyde B. Acetaldehyde C. Acetone D. Acetic anhydride