

## Chemistry General Science Test Hard Mode

Sr	Questions	Answers Choice
1	Which of the following substances is used as an antiknock compound?	A. Tetraethyl lead B. Lead tetrachloride C. Lead acetate D. Ethyl acetate
2	Propyne on hydrolysis in presence of $H_2SO_4$ and $HgSO_4$ gives	A. Acetaldehyde B. Acetone C. Formaldehyde D. None
3	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
4	A certain liberate 0.5 g of hydrogen in 2 h. How many grams of copper can be liberated by the same current flowing for the same time in a copper sulphate solution?	A. 12.7 gm B. 15.9 gm C. 31.8 gm D. 63.5 gm
5	For the carbylamine reaction we need hot alc.KOH and	A. Any amine and chloroform B. Chloroform and Ag powder C. A primary amine and chloroform D. A mono alkyl amine and trichloromethane
6	In the equilibrium $N_2 + 3H_2 \rightleftharpoons 2NH_3 + 22 \text{ kcal}$ the formation of ammonia is favoured by	A. Increasing the pressure B. Increasing the temperature C. Decreasing the pressure D. Adding ammonia
7	In cold countries ethylene glycol is added to water in radiators of cars during winter. It results in	A. Lowering in b.pt. B. Reducing viscosity C. Reducing specific heat D. Lowering in freezing pt.
8	Vitamin A is present in	A. Liver B. Milk C. Green vegetables D. All
9	Natural fertilizer provides phosphorus to plants in the form of $P_2O_5$	A. 1.2 kg B. 2.2 kg C. 3.2 kg D. 4 kg
10	The halide which is not hydrolysed is	A. $SiCl_4$ B. $SiF_4$ C. $CCl_4$ D. $PbCl_4$
11	The number of unpaired electrons in the P-subshell of oxygen atom	A. 1 B. 2 C. 3 D. 4
12	A chemical reaction A $\rightleftharpoons$ 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
13	The relative rate of diffusion of a gas (molecular weight - 128) as compared to oxygen is	A. 2 times B. 1/4 C. 1/8 D. 1/2
14	The reaction/method that does not give an alkane is	A. Catalytic hydrogenation of alkenes B. Wurtz reaction C. Hydrolysis of alkyl magnesium

bromide  
D. Dehydrohalogenation of an alkyl halid.

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15 A clathrate may be defined as a  
A. Cage compound  
B. Liquid crystal  
C. Mixture  
D. Solid solution

16 Number of elements presents in the fifth period of periodic table is  
A. 8  
B. 10  
C. 18  
D. 32

17 1-Chloropropane has two isomers It is an example of  
A. Chain isomerism  
B. Position isomerism  
C. Functional group isomerism  
D. Metamerism

18 The digestion of fats in the intestines is aided by  
A. Diffusion  
B. Protection  
C. Peptization  
D. Emulsification

19 Sulphure dioxide affects  
A. Cell wall  
B. Plasmodesmata  
C. All membrane systems  
D. Nucleus

20 The carbon atoms in calcium carbide are held by  
A. Ionic bonds  
B. 2 sigma bonds  
C. 2 covalent one co-ordinate bond  
D.  $2\pi$  and one  $\sigma$  bond

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