Chemistry General Science Test Hard Mode

Sr	Questions	Answers Choice
1	Which of the following reagent cannot be used for preparing alkyl chloride from alcohol?	A. HCl + anhyd. $ZnCl_2$ B. NaCl C. PCl_5 D. $SOCl_2$
2	Propyne on hydrolysis in presence of H_2SO_4 and $HgSO_4$ gives	A. Acetaldehyde B. Actone C. Formaldehyde D. None
3	The ratio of close packed atoms to tetrahedral holes in cubic close packing is	A. 1 : 1 B. 1 : 2 C. 1 : 3 D. 2 : 1
4	The number of atoms in 0.0004 g of magnesium is close to	A. 24 B. 2×10^{20} C. 10^{20} D. 6.02×10^{23}
5	Evaporation of water is	A. An exothermic change B. An endothermic change C. A process where no heat changes occur D. A process accompanied by chemical
6	Which of the following fluorides does not exist?	A. NF_5 B. PF_5 C. AsF_5 D. SbF_5
7	The number of unpaired electrons in the P-subshell of oxygen atom	A. 1 B. 2 C. 3 D. 4
8	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
9	Potassium crystallizes with a	A. Orthogonal lattice B. Cubic lattice C. Triclinic D. Ortho rhombic lattice
10	When sulphur is boiled with Na_2SO_3 solution the compound formed is	A. Sodium sulphides B. Sodium sulphates C. Sodium persulphate D. Sodium thiosulphate
11	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
12	Benzene is obtained by fractional distillation of	A. Heavy oil B. Anthracene oil C. Middle oil D. Light oil
13	The percentage of oxygen in NaOH is	A. 40 B. 60 C. 8 D. 10
14	The formula of calcium cyanamide is	A. $Ca(CN)_2$ B. CaC_2N C. CaNCN D.

15	Number of elements presents in the fifth period of periodic table is	A. 8 B. 10 C. 18 D. 32
16	Which of the following is directly related to Qualitative analysis?	A. Identification B. Separation C. Measurement D. Calculation
17	Which one is primary alcohol?	A. Buten-2-ol B. Propan-2-ol C. Butane-1-ol D. 2,3-Dimethylhexane-4-ol
18	Which has the largest radius?	A. CO^{3+} B. Mn^{3+} C. Fe^{3+} D. Cr^{3+}
19	Toluene can be oxidized to benzonic acid by	A. KMnO4 (alk) B. $K_2Cr_2O_7$(acidic) C. Both D. None
20	At room temperature formaldehyde is	A. Gas B. Liquid C. Solid D. None of the above