

Chemistry General Science Test Hard Mode

Sr	Questions	Answers Choice
1	Which of the following species participate in sulphonation of benzene ring?	A. $\text{H}_{\substack{2}}\text{SO}_{\substack{4}}$ B. $\text{HSO}_{\substack{-}}$ C. $\text{SO}_{\substack{3}}$ D. $\text{SO}_{\substack{-}}$
2	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
3	The pore size of the filter paper depends upon	A. Nature of the medium B. Temperature of the medium C. Size of the particles D. Mass of the particles
4	The most reactive compound for electrophilic nitration will be	A. Benzyl chloride B. Benzoic acid C. Nitrobenzene D. Chlorobenzene
5	Which has maximum protein content?	A. Ground nut B. Cow milk C. Egg D. Wheat
6	Vitamin A is present in	A. Liver B. Milk C. Green vegetables D. All
7	Which of the following method is most appropriate for the manufacture of methane?	A. By reduction of CH_2Cl_2 B. Wurtz reaction C. Liquification of natural gas D. None of these
8	The wire in the flash bulbs is made up of	A. Mg B. Ba C. Cu D. Ag
9	Galena is an ore of	A. Gallium B. Lead C. Tin D. Germanium
10	The movement of solvent molecules through a semipermeable membrane is called	A. Electrolysis B. Electrophoresis C. Osmosis D. Cataphoresis
11	Which inorganic precipitate acts as semipermeable membrane?	A. Calcium sulphate B. Barium oxalate C. Nickel phosphate D. Copper ferrocyanide
12	Bromine is obtained on a commercial scale from	A. Caliche B. Carnallite C. Common salt D. Cryolite
13	Sulphur dioxide affects	A. Cell wall B. Plasmodesmata C. All membrane systems D. Nucleus
14	The osmotic pressure of solution increases if	A. Temperature is decreased B. Solution constant is increased C. Number of solute molecules are increased D. Volume is increased
15	Among the alkaline earth metals the element forming predominantly covalent compounds is	A. Be B. Mg C. Sr D. Ca

16 The formula of calcium cyanamide is
A. $\text{Ca}(\text{CN})_2$
B. CaC_2
C. CaNCN
D. CaCHNH_2

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

18 Which is the most volatile compound?
A. HI
B. HCl
C. HBr
D. HF

19 Variable valency is generally exhibited by
A. Normal elements
B. Transition elements
C. Metallic elements
D. None of these

20 Octane number is zero for
A. n-Heptane
B. Isooctane
C. n-Hexane
D. Isoheptane
