

Chemistry General Science Test Hard Mode

Sr	Questions	Answers Choice
1	Which of the following mineral does not contain Al?	A. Cryolite B. Mica C. Feldspar D. Fluorspar
2	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 sulphare solution?	A. 12.7 gm B. 15.9 gm C. 31.8 gm D. 63.5 gm
3	Atmosphere of big/metropolitan cities is polluted most by	A. Automobile exhausts B. Pesticide residue C. Household waste D. Radio-active fall out
4	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
5	Causticisation process is used for the preparation of	A. Caustic soda B. Caustic potash C. Baryata solution D. Slaked lime
6	Among alkali metal salts, the lithium salts are the poorest conductors of electricity in aqueous solution because of	A. Easy diffusion of Li⁺ ions B. Lower ability of Li⁺ ions to polarize water molecules C. Lowest charge to radius ratio D. Higher degree of hydration of Li⁺ ions.
7	The number of unpaired electrons in the P-subshell of oxygen atom	A. 1 B. 2 C. 3 D. 4
8	In which of the following elements +1 oxidation state is more stable than +3	A. B B. Al C. Ga D. Ti
9	Gooch crucible is used for the filtration of precipitates having	A. High solubility B. High concentration C. High ignition temperature D. Low temperature
10	The substance used as a smoke screen in warfare is	A. SiCl₄ B. PH₃ C. PCl₅ D. Acetylene
11	Which one is not usually used for the crystallization	A. Acetone B. Acetic acid C. Sulphuric acid D. Chloroform
12	In crystal structure of sodium chloride the arrangement of Cl ⁻ ions is	A. Fee B. Both fee and bcc C. Bcc D. None of these
13	Setting of cement is an	A. Exothermic reaction B. Endothermic reaction C. Neither exothermic nor endothermic D. None
14	Which is not a colligative property?	A. Osmotic pressure B. Lowering of vapour pressure C. Depression of freezing point D. Elevation of boiling point

D. Elevation of boiling point

15 A cell constant is generally found by measuring the conductivity of aqueous solution of

- A. BaCl₂
- B. KCl
- C. NaCl
- D. MgCl₂

16 The total number of protons in 10 g of calcium carbonate is ($N_0 = 6.023 \times 10^{23}$)

- A. 1.5057×10^{24}
- B. 2.0478 x 10²⁴
- C. 3.0115 x 10²⁴
- D. 4.0956 x 10²⁴

17 Which of the following method is most appropriate for the manufacture of methane?

- A. By reduction of CH₂Cl₂
- B. Wurtz reaction
- C. Liquification of natural gas
- D. None of these

18 Number of elements presents in the fifth period of periodic table is

- A. 8
- B. 10
- C. 18
- D. 32

19 The percentage of oxygen in NaOH is

- A. 40
- B. 60
- C. 8
- D. 10

20 How many moles of Helium gas occupy 22.4 L at 0°C at 1 atm. Pressure?

- A. 0.11
- B. 0.90
- C. 1.0
- D. 1.11