

PPSC Chemistry Part III Inorganic Chemistry Online Test

Sr	Questions	Answers Choice
1	The element with maximum first ionization energy is.	A. B B. N C. O D. C
2	Which of the following is the correct order of interactions.	A. Covalent & hydrogen bonding & Van Der Waal's & dipole -dipole B. Van der Waal's & hydrogen bonding & dipole -dipole & covalent C. Van der Waal's & dipole -dipole & hydrogen bonding & covalent D. Dipole-dipole & Van der Waal's & hydrogen bonding & covalent
3	Gases and dust particles are removed from H ₂ SO ₄ by	A. Tydal effect B. Drying tower C. Absorption tower D. Contact converter
4	pH of pure water at 25 °C. $K_w = 1 \times 10^{-4}$	A. 0 B. 7 C. 14 D. None of above
5	The inert gases Ar, Kr and Xe form compounds with water at low temperature and high pressure. These compounds are called.	A. Halides B. Hydrates C. Clathrates D. All of above
6	The variable valency is generally observed in case of.	A. Transition elements B. Inert gases C. Normal elements D. Non- metallic elements
7	The ions Sc ³⁺ , Ca ²⁺ and K ⁺ have same electronic configuration as that of.	A. Neon B. Argon C. Krypton D. Xenon
8	An sp ³ hybrid orbital contains	A. 1/4 a character B. 1/2 a character C. 2/3 a character D. 3/4 a character
9	On industrial scale chlorine is prepared by	A. Dennis method B. Deacon's process C. Plantner's process D. Aludels process
10	Which of the following is the third most abundant element in the nature.	A. Oxygen B. Sulphur C. Aluminum D. Hydrogen
11	Hybridization involves.	A. Orbitals of same atom with slightly different energies. B. Orbitals of different atoms, but with equal energies. C. Orbitals of the same atom but with widely different energies. D. Orbitals of different atoms with different energies.
12	Which of the following has the highest melting poing.	A. NaCl B. Li Cl C. KCl D. Rb Cl
13	Which of the following is the most abundant alkaline earth metal.	A. Be B. Mg C. Ca D. Sr
		A. Ar is used in electric bulbs

14	Which one of the following is not correct.	<p>B. Kr is obtained during radioactive decay</p> <p>C. Boiling point of H₂ is lowest among all noble gases.</p> <p>D. Xe forms Xe OF₄</p>
15	Pick out the incorrect statement	<p>A. The geometry around 'N' atom in trimethylamine is pyramidal</p> <p>B. The geometry around N atom in trisilylamine is planar</p> <p>C. The nitrogen atom in trimethylamine is sp² hybridized whilst in trisilylamine it is sp² hybridized</p> <p>D. Trisilylamine has donor properties whilst trimethylamine has no donor properties.</p>
16	The bonding of transition metal complex was not well understood until the pioneer work of.	<p>A. Ps JAISWAL</p> <p>B. GS MANKU</p> <p>C. BR Thukral</p> <p>D. Alfred Werner</p>
17	In which property listed below hydrogen does not resemble alkali metals.	<p>A. Tendency to form cation</p> <p>B. Nature of oxide</p> <p>C. Combination with halogens</p> <p>D. Reducing character.</p>
18	Copper occurs in nature as.	<p>A. Native</p> <p>B. Combined</p> <p>C. Both native and combined</p> <p>D. None of the above</p>
19	Ca H ₂ on reaction with water liberates	<p>A. H₂</p> <p>B. O₂</p> <p>C. Both of these</p> <p>D. None of these</p>
20	The chief ore of aluminium is.	<p>A. Cryolite</p> <p>B. Bauxite</p> <p>C. Kaolin</p> <p>D. Carnalite</p>