

PPSC Chemistry Part III Inorganic Chemistry Online Test

Sr	Questions	Answers Choice
1	The valence shell electronic configuration of group III A is.	A. ns1 p2 B. ns2 p1 C. ns3p2 D. ns2p2
2	The pH of milk is	A. 6.0 B. 6.5 C. 7.0 D. 7.5
3	Which of the following is not a proper use of Ni.	A. It is used as catalyst B. It is used in alloy formation C. It is used in the preparation of Monel metal D. It is attached by alkalis
4	The bond formed by complete transfer of electrons from electropositive to more electronegative atom is called.	A. Ionic bond B. Covalent bond C. Metallic bond D. Co ordinates bond
5	Which one of following is paramagnetic and has the bond order equal to 0.57	A. N2 B. H2+ C. O2 D. F2
6	Xenon diflouride is obtained by irradiating a mixture of xenon and fluorine with light from a high pressure.	A. Mercury arc B. Tungeston arc C. Xenon arc D. None of above
7	The number of electrons involved in bonding in Lewis structure of oxalate ion is	A. 20 B. 14 C. 22 D. 18
8	Which of the following statements is not true about potash alum.	A. Its empirical formula is $KAl(SO_4)_2 \cdot 12H_2O$ B. Its aqueous solution is basic in nature C. It is used in dyeing industry D. On heating it melts in its water of crystallization
9	Which of the following compounds liberates CO2 on heating.	A. Li2CO3 B. Na2CO3 C. K2CO3 D. All liberate CO2 on heating.
10	Consider the coordination compound $K_2[Cu(CN)_4]$ A coordinate covalent bond exists between	A. K+ and CN- B. Cu2+ and CN- C. K- and $[Cu(CN)_4]^{2-}$ D. C and N in Cn
11	Which of the following ions does not have the electronic configuration same as that of neon.	A. F- B. O2- C. Na+ D. Ca2+
12	Shows a regular increase on moving down the group from carbon to lead	A. Atomic volume B. Atomic radius C. Density D. All above
13	CCl4 has zero dipole moment because of.	A. Planar structure B. Tetrahedral structure C. Similar size of C and Cl atoms D. Similar electrons affinity of C and Cl
14	Which is not an ore of aluminium.	A. Bauxite B. Cryolite C. Monazite D. Corundum

15 Which of the following is the most stable towards heat.

A. CaCO₃
B. BaCO₃
C. Na₂CO₃
D. MgCO₃

16 The order in O₂⁺ is

A. 1.0
B. 1.5
C. 2.0
D. 2.5

17 Argon is used in filling of.

A. Discharge tubes
B. Luminous tube
C. Fluorescent tubes
D. None of above

18 The geometry of the molecule is primarily decided by

A. Bond pairs around the central atom
B. No of k bond around the central atom
C. No of bond pairs as well as lone pairs around the central atom
D. No. of lone pairs on central atom

19 Which of the following statements is correct.

A. A sigma bond is weaker than a pi bond
B. There are four coordinate bonds in the Lewis structure of NH₄⁺ ion.
C. The 1 covalent bond is directional in nature
D. A single bond between the two atoms cannot be re bond.

20 The correct order of electron affinities is.

A. C > Si > Na > Ar
B. Si > Cl > Na > Ar
C. C > Na > Si > Ar
D. C > Si > Ar > Na
