

PPSC Chemistry Part III Inorganic Chemistry Online Test

Sr	Questions	Answers Choice
1	The dipole moments of the given species are such that.	A. BF3 > NF3 > NH3 B. NF3 > BF3 > NH3 C. NHE > NF3 > BF3 D. NH3 > BF3 > NF3
2	The ions Sc3+ , Ca2+ and K+ have same electronic configuration as that of.	A. Neon B. Argon C. Krypton D. Xenon
3	The correct order of second ionization potential of carbon nitrogen, oxygen and fluorine is.	A. C > N > O > F B. O > F > N > C C. O > N > F > C D. F > O > N > C
4	In the metallurgy of iron, when limestone is added to the blast furnaced, the calcium ion ends up in	A. Slag B. Gangue C. Metallic calcium D. Calcium carbonate
5	d2 sp3 is oriented in a manner	A. Trigonal B. Tetrahedral C. Octahedral D. Trigonal bipyramidal
6	lonic bond are also forces called as.	A. Polar bond B. Electrovalent bond C. None polar bond D. Both A and B
7	Boron and aluminum halides are electron deficient compounds in this respect. they act as.	A. Lewis acid B. Lewis base C. Oxidizing agent D. Reducing agent
8	Which one of the following is not correct.	A. Ar is used in electric bulbs B. Kr is obtained during radioactive decay C. Boiling point of H2 is lowest among all noble gases. D. Xe forms Xe OF4
9	iodine is used as a	A. Photography B. Manufacture of dyes C. Analgesic D. All above
10	Setting of cement is improved by	A. Lime stone B. Clay C. Gypsum D. Water
11	XeF4 is obtained, when a mixture of Xenon and fluorine in the ratio is heated in a nickle vessel at 400 $^{\rm O}{\rm C}$	A. 1:3 B. 5:1 C. 1:20 D. 1:5
12	The only oxidation state of alkali metals in their compounds is.	A. +1 B. +2 C1 D. 0
13	Which among the following hydride is ionic in nature.	A. Ammonia B. Protium oxide C. Calcium hydride D. Sulphane
14	A type of a chemical bond which is formed by the mutual sharing of electrons between combining atoms of the same or different elements is called.	A. lonic bond B. Covalent bond C. Co ordinate Covalent bond D. Metallic bond
15	Which of the following elements has the highest third ionization energy.	A. Sodium B. Magnesium C. Aluminum

		D. Silicon
16	Among oxides of nitrogen all are gases except.	A. N2O5 B. N2O C. NO D. N2O3
17	Neon is used in neon signs for advertising purpose because.	A. Neon lights are visible from long distance B. Neon light are visible though fog & D. None of the above
18	The correct order of electron affinities of SI, P, and CI is.	A. P > Si > Cl B. Cl > P > Si C. Cl > Si, > P D. Si > P . Cl
19	Lithum silicide reacts with concentrated hydrochlric acid to give lithium chlride along with.	A. H2 and SI B. Si H 4 gas C. Disilane gas D. Si3H8
20	Which pair of species can undergo chemical reaction with each other.	A. CO+ NO B. LiH and H2O C. CO2 and HCI D. CaH2 and SI H4