

PPSC Chemistry Part III Inorganic Chemistry Online Test

Sr	Questions	Answers Choice
1	According to CFT the metal ligand bond is considered to be ionic to presentage.	A. 100% B. 90% C. 50% D. 70%
2	Strong field ligands such as CN	A. Usually produce high spin complexes and small crystal field splitting B. Usually produce low spin complexes and small crystal field splitting C. Usually produce low spin complexes and high crystal field splitting D. Cannot form low spin complexes
3	Which among the following hydride is ionic in nature.	A. Ammonia B. Protium oxide C. Calcium hydride D. Sulphane
4	Fluorine does not show variable oxidation state because of.	A. its high electronegativity B. Its small sixe C. low dissociation energy of F-F bond D. Non availability of d-orbitals
5	Which element among the following cannot exhibit variable electronvalency	A. ₂₉ Cu B. ₅₀ Sn C. ₂₅ Mn D. ₃₈ Sr
6	The gap between occupied and the unoccupied orbitals is not very large and the conduction of electricity is negligible at lower temperature and appreciable at high temperatures then it will be.	A. Good conductor B. Non conductor C. Semi conductor D. None of the above
7	The configuration of valence shell of certain atom X is $3s2$, $3p5$, which valences can it exhibit.	A. 1,3 only B. 1,5 only C. 1,3,5,7 D. 1,3,4
8	Which of the following has the maximum tendency to form complexes.	A. K B. Na C. Rb D. Li
9	CFSE for d ⁷ ion is.	A. 0.8 B0.8 C1.8 D. 1.8
10	Which one of the following ionsis colourless.	A. Cu+ B. Ni2+ C. Co2+ D. Fe3+
11	The energy gap between tag and eg sets in denoted by	A. A-B. 10 DqC. Both A and BD. None of above
12	lodine is a grey black solid and its vapours are in color	A. Grey B. Black C. Yellow D. Violet
13	Carbon in wrought iron is present as	A. Silicon carbide B. Iron carbide cementite C. Graphite D. Partly as iron carbide and partly as graphite
		A. Nuclear charge (Z) B. Valence principal quantum numbe

14	The size of iso electronic species - F- , Ne, and Na+ is affected by	(n)C. Electron electron interaction in the outer orbitalD. None of the factors because their size to the same.
15	Which of the following is planar?	A. CH2Cl2 B. CHCl3 C. CCl4 D. C2H2
16	The element having highest ionization energy and least electron affinity belong to	A. Period 1, group 18 B. Period 2, group 17 C. Period 2, group 1 D. Period 2, group 2
17	Aque regia is made by dissolving a mixture of HNO3 and HCl with ratio.	A. 1:1 B. 1:3 C. 1:2 D. 1:10
18	The atomic and ionic radii value on moving from left to right in the sereis.	A. Increase B. Decrease C. Does not change D. None of above
19	Which of the following is not an ore of nickel.	A. Pentalandite B. Siderite C. Garnierite D. Nicollite
20	Lux -Flood concept is a dono-acceptor system of.	A. Proton B. Electron pair C. Neurtron D. Oxide ion