PPSC Chemistry Part III Inorganic Chemistry Online Test

Sr	Questions	Answers Choice
1	The _____ sphere is enclosed in brackets in formulas for complex species, and it includes the central metal ion plus the coordinated group	A. Ligand B. Donor C. Coordination D. Oxiation
2	The number of electrons involved in bonding in Lewis structure of oxalate ion is	A. 20 B. 14 C. 22 D. 18
3	Which is incorrect statement for Xe F2.	A. It has linear structure. B. It is hydrolyzed rapidly in aqueous solution of a base C. It oxidizes Cl and I to Cl2 and I 2 respectively D. It cannot act as F donor
4	The oxidation state of Pt in Xe+ [Pt F6] is	A. +4 B. +5 C. +6 D. None of these
5	Aluminium reacts with boiling water to liberatedi hydrogen gas along with the formation of.	A. Aluminium oxide B. Aluminium hydroxide C. Aluminium suboxide D. Aluminium superoxide
6	The process requirieng the absorption of energy of.	A. F = F B. Cl = Cl C. H = H D. O = O
7	Which of the following metals form volatile carboyl with CO below 80 ^{o}C	A. Cu B. Fe C. CO D. Ni
8	The formula of copper pyrite is.	A. CuFeS B. CuFeS2 C. Cu2FEs D. Cu Fe2S
9	The noble gases are found in the atmosphere to the extent of about some percent by volume.	A. 0.5% B. 1.0% C. 1.5% D. 2.0%
10	Carbon tetra chloried has no net dipole moment because of.	A. Its planar strcture. B. Its regular tetrahedral structures. C. Similar sizes of carbon and chlorine atoms D. Similar electron affinities of carbon and chlorine.
11	Stainless steel contains.	A. Fe + Cr+ Ni B. Fe + Ni + Cu C. Fe + Cr+ Cu D. Cu + C + Ni
12	Which of the following is not an ore of nickel.	A. Pentalandite B. Siderite C. Garnierite D. Nicollite
13	Which element among the following cannot exhibit variable electronvalency	A. ₂₉Cu B. ₅₀Sn C. ₂₅ Mn D. ₃₈ Sr
14	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.
15	PCl5 is an example of hybridization	A. d sp³ B. d2 sp2 C. sp2 D. sp3
16	Which of the following is the weakest base.	A. KOH B. NaOH C. LiOH D. RbOH
17	The state of hybridization of carbon in CO2 is	A. sp2 B. sp C. sp3 D. dsp2
18	Among the elements A, B,C and D having atomic numbers 7,8,9 AND 12 Respectively, the element with smallest size and highest IE is.	A. A B. B C. C D. D
19	Anhydrous AlCl3 cannot be obtained by heating hydrated AlOl3 ,6h2o Because.	A. It decomposes completely to give Al2O3 B. It does not lose water completely C. It undergoes hydrolysis to give Al(OH)3 D. AlCl3 .6H2O is very stable.
20	Which of the following statement is not true for carbon.	A. Its forms compounds with multiple bonds B. Its ionization energy is very high C. It undergoes catanation D. It shows inert pair effect