

PPSC Chemistry Part III Inorganic Chemistry Online Test

Sr	Questions	Answers Choice
1	VBT does not explain	A. Absorption spectra B. Color of transition metal ion C. Heat of formation D. All above
2	VBT is unable to explain the nature of some of the complexes of.	A. Cobalt B. Copper C. Nickel D. Manganese
3	Major achievement of CFT is	A. Interpreting the color B. Adsorption spectra C. Both A and B D. None of above
4	According to CFT the metal ligand bond is considered to be ionic to percentage.	A. 100% B. 90% C. 50% D. 70%
5	Coordination compound show	A. Structural isomerism B. Stereo isomerism C. Both A and B D. None of above
6	Transition metal possess	A. Definite color B. Catalytic power C. Both A and B D. None of above
7	Metal are	A. Hard B. Ductile C. Malleable D. All
8	What types of bonding occurs in d-block elements.	A. Ionic B. Covalent C. Metallic D. Both B and C
9	Which show maximum number of oxidation states in 3d series.	A. Mn B. Ni C. Co D. Zn
10	Oxidation state of the chromium $[\text{Cr}(\text{NH}_3)_6]^{3+}$ complex ion is	A. +2 B. +3 C. +4 D. +5
11	$\text{CoCl}_3 \cdot 6\text{NH}_3$ has six NH_3 molecules that satisfy the valency of the Co^{3+} metal ion	A. Primary B. Secondary C. Both A and B D. None of above
12	The suffix "ate" at the end of the name of the complex signifies that it is.	A. Cation B. Anion C. Neutral D. None of above
13	Which of the following are neutral ligands.	A. NH_3 B. H_2O C. CO & NO D. All of above
14	The bonding of transition metal complex was not well understood until the pioneer work of.	A. P. S. Jaiswal B. G. S. Manku C. B. R. Thakral D. Alfred Werner
15	The central metal atom or ion and the ligands that are directly attached to it are enclosed in a square bracket called.	A. Coordination complex B. Coordination sphere C. Coordination number D. Coordination compounds

16	The colour of Ni^{2+} ion is.	A. Blue B. Green C. deep green D. Orange
17	Number of unpaired electrons in Cu^{2+} ions are.	A. 1 B. 2 C. 3 D. 4
18	The movement of an electric charge produce a magnetic field is known from the	A. Elementary Physics B. Elementary Chemistry C. Both A and B D. None of above
19	An electron has types of motion	A. Spin motion B. Orbital motion C. Both A and B D. None of above
20	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