

## PPSC Chemistry Part III Inorganic Chemistry Online Test

Sr	Questions	Answers Choice
1	The bond order gives the following valuable information.	A. Stability of the molecules of ions B. Bond dissociation energy and bond length C. Magnetic properties D. All of the above
2	The oxidation state shown by phosphorus is.	A. - 3 B. + 3 C. + 3 and +5 D. -3, + 3 and +5
3	Which of tetra chloride is resistant to hydrolysis.	A. $\text{CCl}_4$ B. $\text{SiCl}_4$ C. $\text{GeCl}_4$ D. $\text{SnCl}_4$
4	The major role of Fluorspar which is added in small quantities in the electrolytic reduction alumina dissolved in fused cryolite is.	A. As a catalyst B. To make the fused mixture very conducting C. To lower the temperature of the melt D. To decreases the rate of oxidation of carbon at the anode
5	In the formation of $\text{H}_2\text{O}$ molecule, the oxygen atom makes use of.	A. 2p orbitals B. sp hybrid orbitals C. $\text{Sp}^2$ hybrid orbitals D. $\text{Sp}^3$ hybrid orbitals
6	Which show maximum number of oxidation states in 3d series.	A. Mn B. Ni C. Co D. Zn
7	Pauling has suggested that the calculate of energy can be improved by considering.	A. Screening effect B. Polarization effect C. Both A and B D. None of above
8	Aluminum occurs in nature as.	A. Native B. Combined form C. Both native and combined D. Free
9	Molten iron withdrawn from the blast furnace is called.	A. Wrought iron B. Pig iron C. Bessemer iron D. Stainless steel
10	A red color gas, on condensing it gives a dark blue liquid.	A. NO B. $\text{N}_2\text{O}$ C. $\text{N}_2\text{O}_3$ D. $\text{N}_2\text{O}_4$
11	The structure of $\text{SO}_2$	A. Linear B. Angular C. V-shaped D. Planar
12	The most reactive alkali metal among the following is	A. Li B. Na C. Cs D. Rb
13	Pick out the incorrect statement regarding ozone.	A. $\text{O}_3$ is an unstable dark blue diamagnetic gas B. The central oxygen in $\text{O}_3$ is $\text{sp}^3$ hybridized C. It cause the tailing of mercury D. It does not react with KOH
14	The formula of borax glass is.	A. $\text{Na}_2\text{B}_4\text{O}_7 \cdot 10\text{H}_2\text{O}$ B. $\text{Na}_2\text{B}_4\text{O}_7 \cdot 5\text{H}_2\text{O}$ C. $\text{Na}_2\text{B}_4\text{O}_7$ D. $\text{Na}_2\text{B}_4\text{O}_7 \cdot 2\text{H}_2\text{O}$

		D. None of above
15	Pick out the incorrect statement for XeF <sub>4</sub>	A. XeF <sub>4</sub> disproportionate violently with water B. It is used as fluorinating agent C. It has octahedral structure for geometry D. It oxidizes I to I <sub>2</sub>
16	Sodium Tetra borate is used	A. As alkaline buffer in dying & bleaching process B. In manufacture of optical glass C. in enameling and making glaze D. All above
17	Monel metal is a alloy of Ni which contains Ni upto	A. 50% B. 60% C. 70% D. 80%
18	Metallic magnesium is obtained by	A. Reduction of MgO with Coke B. Electrolysis of an aqueous solution of MgCl <sub>2</sub> C. Electrolysis of molten MgCl <sub>2</sub> D. Displacement of magnesium by iron from MgCl <sub>2</sub> solution.
19	Which of the following has highest ionization energy.	A. Oxygen B. Argon C. Barium D. Calcium
20	Non localised bonds are referred as	A. Metallic bond B. Long range bonds C. Ionic bond D. Covalent bonds