

## PPSC Chemistry Part III Inorganic Chemistry Online Test

Sr	Questions	Answers Choice
1	Buffer solution are used to.	A. Increase the pH B. Resist the pH C. Decrease the pH D. None of above
2	The number of electrons involved in bonding in Lewis structure of oxalate ion is	A. 20 B. 14 C. 22 D. 18
3	Example of intra molecular hydrogen bonding.	A. O-nitrophenol B. O-hydroxy benzaldehyde C. O- hydroxy benzoic acid D. All of the above
4	Monel metal is a alloy of Ni which constrains Ni upto	A. 50% B. 60% C. 70% D. 80%
5	According to Fajns rules, which one of following results in increased ionic nature of the covalent bond.	A. Larger cation and smaller charges on anion B. Larger cation and larger charge on anion C. Smaller cation and smaller charge on anion D. Smaller cation and larger charge on anion
6	Which of the following iso -electronic ion would require least energy for the removal of electron.	A. $\text{Ca}^{2+}$ B. $\text{Cl}^-$ C. $\text{Ar}$ D. $\text{K}^+$
7	Chlorine gas acts as a bleaching agent only in presence of.	A. dry air B. Moisture C. Sunlight D. Pure oxygen
8	The Lewis formula of $\text{SOCl}_2$ , the total number of bond pairs and lone pairs of electron around sulphur are.	A. 2,1 B. 2,2 C. 3,1 D. 3,0
9	CFSE for $\text{d}^7$ ion is.	A. 0.8 B. -0.8 C. -1.8 D. 1.8
10	Type of hybrid orbitals used by the chlorine atom in $\text{ClO}_2$ is.	A. $\text{sp}^2$ B. $\text{sp}^3$ C. $\text{sp}$ D. None of these
11	Highly dangerous acid and produces severe wounds on the skin.	A. $\text{HClO}$ B. $\text{HClO}_2$ C. $\text{HClO}_3$ D. $\text{HClO}_4$
12	Which of the following represent the fuming sulphuric acid	A. $\text{H}_2\text{S}_2\text{O}_4$ B. $\text{H}_2\text{S}_2\text{O}_3$ C. $\text{H}_2\text{S}_2\text{O}_6$ D. $\text{H}_2\text{S}_2\text{O}_7$
13	Which of the following is most soluble in water.	A. $\text{BaSO}_4$ B. $\text{Sr SO}_4$ C. $\text{CaSO}_4$ D. $\text{MgSO}_4$
14	Variable electrovalency is due to the following reasons.	A. Unstable configuration of core B. Inset electron pair effect C. All of above D. None of above

15 Commercial or the phosphoric acid is pure.  
A. 37.0%  
B. 82.98%  
C. 88.25%  
D. 90.12%

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16 Setting of plaster of Paris volves.  
A. Oxidation with atmospheric oxygen  
B. Combination with atmosphere CO<sub>2</sub>  
C. Dehydration  
D. Hydration to yield another hydrate

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17 Which of the following impurities are present with the bauxite.  
A. Silica  
B. Ferric oxide  
C. Alumina  
D. Both silica and ferric oxide

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18 CCl<sub>4</sub> has zero dipole moment because of.  
A. Planar structure  
B. Tetrahedral structure  
C. Similar size of C and Cl atoms  
D. Similar electrons affinity of C and Cl

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19 Bromine is soluble in  
A. Alcohol  
B. Water  
C. Chloroform  
D. All above

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20 Example of inter molecular H-bonding is  
A. NH<sub>3</sub> and H<sub>2</sub>O  
B. HF  
C. CH<sub>3</sub>COOH  
D. All of abvoe