

## PPSC Chemistry Part III Inorganic Chemistry Online Test

Sr	Questions	Answers Choice
1	Which of the following is not a proper use of Ni.	A. It is used as catalyst B. It is used in alloy formation C. It is used in the preparation of Monel metal D. It is attached by alkalis
2	In Dannis's method the end of the copper caps into which graphite electrode are fixed with cement.	A. Portiant B. Bakelite C. Asbestos D. All of above
3	Oxides ores of Aluminium	A. Corundum B. Bauxite C. Diaspore D. All above
4	In each period, the most electropositive element belongs to group.	A. 18 B. 17 C. 1 D. 2
5	The secondary valency of Conc. $\text{CoCl}_3 \cdot 6\text{NH}_3$ .	A. 2 B. 4 C. 6 D. 8
6	Which of the following elements has the highest third ionization energy.	A. Sodium B. Magnesium C. Aluminum D. Silicon
7	Which of the following is not alloy of aluminium.	A. Aluminium bronze B. Magnalium C. Duralumin D. Stellite
8	$\text{Ca}^{2+}$ is isoelectronic with.	A. $\text{Mg}^{2+}$ B. Kr C. Ar D. $\text{Na}^+$
9	Group VII A of periodic table consist of elements.	A. 4 B. 5 C. 6 D. 7
10	Phosphorus has the oxidation state of +3 in	A. Orthophosphoric acid B. Hypophosphoric acid C. Metaphosphoric acid D. Orthophosphorus acid
11	When steam is passed over red bot coke The product formed is	A. Hydrogen and carbon dioxide B. Mixture of hydrogen and carbon monoxide C. Mixture of hydrogen and oxygen D. Heavy hydrogen
12	Which of the following statements is false about transition metals.	A. They form complexes B. They show variable valency C. All transition metal compounds are paramagnetic D. They form coloured ions
13	The colour of $\text{Ni}^{2+}$ ion is.	A. Blue B. Green C. deep green D. Orange
14	Which of the following compounds is electrovalent in nature.	A. $\text{SO}_2$ B. $\text{ICl}$ C. $\text{KBr}$ D. $\text{CHI}_3$
		A. $\text{HNO}_2$

15	The strongest acid is.	<p>B. <math>\text{HNO}_3</math></p> <p>C. <math>\text{H}_2\text{N}_2\text{O}_2</math></p> <p>D. <math>\text{HNOS}</math></p>
16	Which of the following statements regarding covalent bond is false.	<p>A. The electrons are shared between atoms.</p> <p>B. The bond is non-directional</p> <p>C. The strength of the bond depends upon the extent of overlapping</p> <p>D. The bond formed may be polar or non-polar</p>
17	$\text{HClO}$ evolves $\text{Cl}_2$ and $\text{O}_2$ when dissolved	<p>A. <math>\text{Ca}</math></p> <p>B. <math>\text{Ni}</math></p> <p>C. <math>\text{Cu}</math></p> <p>D. Any of above</p>
18	The value of $K_w$ increases with temperature because of the ionization of water.	<p>A. Positive</p> <p>B. Negative</p> <p>C. Endothermic</p> <p>D. Exothermic</p>
19	pH of pure water at $25^\circ\text{C}$ . $K_w = 1 \times 10^{-14}$	<p>A. 0</p> <p>B. 7</p> <p>C. 14</p> <p>D. None of above</p>
20	Which of the following hydroxides has the maximum solubility in water.	<p>A. <math>\text{Mg}(\text{OH})_2</math></p> <p>B. <math>\text{Ca}(\text{OH})_2</math></p> <p>C. <math>\text{Sr}(\text{OH})_2</math></p> <p>D. <math>\text{Ba}(\text{OH})_2</math></p>