

## PPSC Chemistry Part III Inorganic Chemistry Online Test

Sr	Questions	Answers Choice
1	Used in Geiger counter to detect radioactivity	A. He B. Ne C. Ar D. Kr
2	Which is the purest form of iron.	A. Pig iron B. Cast iron C. Wrought iron D. Steel
3	When a lead a storage battery is discharged .	A. SO <sub>2</sub> is evolved B. PbS is consumed C. Pb is formed D. H <sub>2</sub> SO <sub>4</sub> is consumed
4	Which one of following is non polar	A. CH <sub>2</sub> Cl <sub>2</sub> B. CCl <sub>4</sub> C. CHCl <sub>3</sub> D. CH <sub>3</sub> Cl
5	The structure of SO <sub>2</sub>	A. Linear B. Angular C. V-shaped D. Planner
6	A covalent bond which is formed between two atoms by the overlap of atomic orbitals along their axis is called.	A. Pi bond B. Sigma bond C. Polar bond D. Non polar bond
7	Among the solvents given below, with dielectric constant (E) given in parentheses which has highest solubility of KCl?	A. Benzene (E=0) B. Carbon disulphide (E = O) C. Methanol (E =32) D. Acetone (E = 2)
8	The decreasing order of the second ionization energies of K, Ca and Ba is	A. K > Ca > Ba B. Ca > Ba > K C. Ba > K > Ca D. K > Ba > Ca
9	Fluorine is.	A. Powerful oxidizing agent B. Most reactive element C. Used as refrigerants D. All of above
10	Which isotope of hydrogen is radioactive in nature.	A. Protium and deuterium B. Tritium only C. Tritium and deuterium D. Only deuterium
11	Elements of group 14 have the electronic configuration of their outer shell as	A. ns <sup>2</sup> np <sup>3</sup> B. ns <sup>2</sup> np <sup>2</sup> C. ns <sup>2</sup> np <sup>6</sup> D. ns <sup>2</sup>
12	Group III A of the periodic table consist of elemetns.	A. 3 B. 4 C. 5 D. 6
13	The state of hybridization of carbon in CO <sub>2</sub> is	A. sp <sup>2</sup> B. sp C. sp <sup>3</sup> D. dsp <sup>2</sup>
14	In coordination chemistry the donor atom of a ligand is.	A. A Lewis acid B. The counter ion C. The central metal atom D. The atom in the legend that shares an electron pair with the metal
		A. The element with highest IE belongs to group 18

15	Which of the following statement is not correct.	<p>B. In each period the element with lowest IE belongs to group I</p> <p>C. In each period the element with highest IE is a noble gas</p> <p>D. In the second period as we move from left to right, ionization energy increases regularly.</p>
16	Chlorine gas acts as a bleaching agent only in presence of.	<p>A. dry air</p> <p>B. Moisture</p> <p>C. Sunlight</p> <p>D. Pure oxygen</p>
17	Which of the following does not apply to metallic bond.	<p>A. Overlapping valence orbitals</p> <p>B. Mobile valency electron</p> <p>C. Delocalized electrons</p> <p>D. Highly directed bonds</p>
18	Phosphoric acid is the most important of the phosphorus oxy acids. Industrially phosphoric acid is prepared by.	<p>A. The Ostwald process</p> <p>B. The Haber's process</p> <p>C. The reaction of phosphate rock with sulphuric acid</p> <p>D. The reaction <math>P_4O_{10}</math> with water.</p>
19	Used in producing intense light in cinematography	<p>A. Xenon</p> <p>B. Krypton</p> <p>C. Radon</p> <p>D. Helium</p>
20	Which of the following is not an alkali metal	<p>A. Rb</p> <p>B. Sb</p> <p>C. Cs</p> <p>D. Fr</p>