

## PPSC Chemistry Part III Inorganic Chemistry Online Test

Sr	Questions	Answers Choice
1	The formula of Borax is.	A. Na <sub>2</sub> B <sub>4</sub> O <sub>7</sub> 6H <sub>2</sub> O B. Na <sub>2</sub> B <sub>4</sub> O <sub>7</sub> 8H <sub>2</sub> O C. Na <sub>2</sub> B <sub>4</sub> O <sub>7</sub> 10H <sub>2</sub> O D. Na <sub>2</sub> B <sub>4</sub> O <sub>7</sub> 12H <sub>2</sub> O
2	Shows a regular increase on moving down the group from carbon to lead	A. Atomic volume B. Atomic radius C. Density D. All above
3	Which of the following is not a property of Cr.	A. it is brilliant silvery metal B. it is malleable C. It can take very high polish D. Its surface is tarnished easily
4	The process requiring the absorption of energy of.	A. F = F B. Cl = Cl C. H = H D. O = O
5	The element with maximum first ionization energy is.	A. B B. N C. O D. C
6	The shape of SO <sub>4</sub> <sup>2-</sup> ion is.	A. Tetrahedral B. Trigonal planar C. Square planar D. Octahedral
7	Which of the following ions does not have the electronic configuration same as that of neon.	A. F- B. O <sup>2-</sup> C. Na <sup>+</sup> D. Ca <sup>2+</sup>
8	The correct order of thermal stabilities of hydrides of group 15 is.	A. NH <sub>3</sub> > PH <sub>3</sub> > AsH <sub>3</sub> > BiH <sub>3</sub> > SbH <sub>3</sub> B. NH <sub>3</sub> > PH <sub>3</sub> > AsH <sub>3</sub> > SbH <sub>3</sub> > BiH <sub>3</sub> C. NH <sub>3</sub> > PH <sub>3</sub> > SbH <sub>3</sub> > AsH <sub>3</sub> > BiH <sub>3</sub> D. BiH <sub>3</sub> > SbH <sub>3</sub> > AsH <sub>3</sub> > PH <sub>3</sub> > NH <sub>3</sub>
9	The inert gases Ar, Kr and Xe form compounds with water at low temperature and high pressure. These compounds are called.	A. Halides B. Hydrates C. Clathrates D. All of above
10	When a lead 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
11	The pH Value 4.2 is of	A. Vinegar B. Lemons C. Oranges D. Tomatoes
12	Molecule is a diatomic	A. Nitrogen B. Phosphorous C. Arsenic D. Antimony
13	Which property is not exhibited by carbon in its compounds.	A. Forming bonds to other carbon atoms B. Formation multiple forms C. Exhibiting allotropic forms D. Forming compounds with coordination number beyond four
14	To increase the life of filament and to low the heat conductivity a mixture is filled in electric bulb.	A. Ar & N <sub>2</sub> B. Ar & Kr C. Kr & N <sub>2</sub> D. Ar & N <sub>2</sub>

		D. Xe & N <sub>2</sub>
15	Oxalic acid when heated with conc. H <sub>2</sub> SO <sub>4</sub> it gives out.	A. H <sub>2</sub> O and CO <sub>2</sub> B. CO and CO <sub>2</sub> C. CO <sub>2</sub> and H <sub>2</sub> S D. Oxalic sulphate
16	The correct order of electron affinities of Si, P, and Cl is.	A. P > Si > Cl B. Cl > P > Si C. Cl > Si, > P D. Si > P . Cl
17	Which of the following have identical bond order.	A. CN <sup>-</sup> and O <sub>2</sub> <sup>-</sup> B. CN <sup>-</sup> and NO <sup>+</sup> C. O <sub>2</sub> <sup>-</sup> and CN <sup>+</sup> D. NO <sup>+</sup> and CN <sup>+</sup>
18	The electrolysis of molten metal hydride will produce dihydrogen gas.	A. At cathode B. At anode C. At both the electrodes D. At none of the electrodes
19	Which of the following statements regarding covalent bond is false.	A. The electrons are shared between atoms. B. The bond is non-directional C. The strength of the bond depends upon the extent of overlapping D. The bond formed may be polar or non-polar
20	Which of the following has the highest melting point.	A. NaCl B. LiCl C. KCl D. RbCl