

## PPSC Chemistry Part III Inorganic Chemistry Online Test

Sr	Questions	Answers Choice
1	The element with maximum first ionization energy is.	A. B B. N C. O D. C
2	Pick out the incorrect statements for transition metals.	A. They have low melting and boiling points B. 5d-element have higher energies than 3d or 4 d elements C. Zr and Hf have almost identical atomic and ionic radii D. They form interstitial compounds.
3	Main constituent of all inorganic matter	A. Carbon B. Silicon C. Tin D. Lead
4	Which of the following has highest ionization energy.	A. Oxygen B. Argon C. Barium D. Caealum
5	Which of the following is not a property of aluminium.	A. An efficient electrical conductor     B. A low density compared to other metals     C. Is amphoteric     D. Toxic to humans
6	Allotropic form of tin	A. White tin B. Grey tin C. Rhomic tin D. All above
7	Elements of group 14	A. Exhibit oxidation state of -4 B. Exhibit oxidation state of +4 C. From M3+ and M4+ ions D. Form M4- and M4+ iona
8	The maximum covalence of an element equal to.	A. The number of unpaired d electrons B. The number of paired p electrons C. The number of unpaired a and P electors D. The actual number of a and P electrons in the outermost shell
9	The following oxo acids have been arranged in the order decreasir acid strength identify the correct order.	A. III > IV > II > I B. III > II > I >IV C. I > II >III > IV D. IV > III > II > I
10	XeF4 is obtained, when a mixture of Xenon and fluorine in the ratio is heated in a nickle vessel at 400 $^{ m o}{ m C}$	A. 1 : 3 B. 5 : 1 C. 1 :20 D. 1 :5
11	Any substance which has solidified from the liquid state with crystallization is known as	A. Steel B. Fibre C. Glass D. Asbestos
12	Which is the purest form of iron.	A. Pig iron B. Cast iron C. Wrought iron D. Steel
13	In the Mendeleev's periodic table elements are arranged in the increasing order of their .	A. Numbers of neutrone. B. Atomic number C. Atomic mass D. Atomic volume
14	Which of the following parameter is not involved in calculations based on Born Haber Cycle.	A. Ionization enthalpy B. Electron gain enthalpy C. Electronegativity

		D. Bond dissociation energy
15	Atomicity of which of the following pair of elements is not same as hydrogen.	A. Phosphorus, Nitrogen B. Nitrogen, Argon C. Nitrogen, iodine D. lodine, sulphur
16	Which of the following does not form stable diatomic molecule.	A. Nitrogen B. Phosphorus C. Hydrogen D. Oxygen
17	The formula of sulphur sequioxide	A. SO4 B. S2O7 C. S2O3 D. SO3
18	Potassium crystallizes in a body centered lattice. Hence, the coordination number of potassium in potassium metal is.	A. 4 B. 6 C. 8 D. 12
19	Which number of halogen family does not show positive oxidation state.	A. Fluorine B. Chlorine C. Bromine D. lodine
20	On hybridization of one s and one p orbitals we get.	A. Two mutualy perpendicular orbitals B. Two orbitals at 180 <sup>o</sup> C. Four orbitals directed tetrahedrally D. Three orbitals in a plane