

## PPSC Chemistry Part III Inorganic Chemistry Online Test

Sr	Questions	Answers Choice
1	For the respiration of sea divers mixture is used.	A. He & O <sub>2</sub> B. Ar & O <sub>2</sub> C. Ne & O <sub>2</sub> D. Kr & O <sub>2</sub>
2	Sodium reacts with excess of oxygen to form	A. Na <sub>2</sub> O B. NaO <sub>2</sub> C. Na <sub>2</sub> O <sub>2</sub> D. NaO
3	The shape of SO <sub>4</sub> <sup>2-</sup> ion is.	A. Tetrahedral B. Trigonal planar C. Square planar D. Octahedral
4	Green houses are responsible for keeping our plant warm and sustaining life on the earth.	A. CO <sub>2</sub> & water vapours B. CO <sub>2</sub> & CFC C. CO <sub>2</sub> & H <sub>2</sub> O D. CO <sub>2</sub> & CH <sub>4</sub>
5	Duralumin is an alloy of.	A. Mg + Al B. Al + Mg + Mn C. Mg + Al + Cu D. Mg + Al + Cu + Mn
6	Red colour of glass is due to the presence of	A. Cu <sub>2</sub> O B. CoO C. MnO <sub>2</sub> D. CdS
7	Nitric acid has the property	A. Nitrating B. Reducing C. Redoxing D. None of above
8	The attraction which exists between carbon dioxide molecules in solid carbon dioxide is due to.	A. Van der Waal's forces B. Molecule ion forces C. ionic bonds D. hydrogen bonds
9	Pick out the incorrect statement.	A. Red phosphorus consists of a complicated chain structure and black phosphorus has a layer structure. B. Nitrogen shows a little tendency for catenation, because N-N a single bond is very strong. C. The maximum number of covalent bonds formed by nitrogen is four, since it has no d-orbitals in its valence shell D. The group 15 elements do not form M <sup>5+</sup> ions, but +5 oxidation state is realized only through covalent bonding.
10	Which is the second most abundant element occurring in the earth's crust.	A. Iron B. Cu C. Cr D. Ni
11	XeF <sub>4</sub> is obtained, when a mixture of Xenon and fluorine in the ratio is heated in a nickel vessel at 400 °C	A. 1 : 3 B. 5 : 1 C. 1 : 20 D. 1 : 5
12	If Steel is heated to a temperature well below red heat and then cooled slowly the process is called.	A. Annealing B. Quenching C. Tempering D. Nitriding
13	The element Uuu has atomic number	A. 102 B. 111 C. 101 D. 110

14	The variable valency is generally observed in case of.	A. Transition elements B. Inert gases C. Normal elements D. Non-metallic elements
15	Which of the following compound does not follow octet rule.	A. CS <sub>2</sub> B. PBr <sub>3</sub> C. IBr D. BrF <sub>3</sub>
16	Pick out incorrect statement.	A. NF <sub>3</sub> molecule has trigonal pyramidal structure. B. It is practically insoluble in water and is only hydrolyzed, an electric spark is passed through a mixture with water vapour. C. Dipole moment of NF <sub>3</sub> is more than that of NH <sub>3</sub> D. Nitrogen (III) oxide (N <sub>2</sub> O <sub>3</sub> ) is an acidic oxide.
17	When two atoms of hydrogen combine to form a molecule of hydrogen gas the energy of the molecule.	A. higher than that of the separate atoms B. Equal to that of the separate atoms C. Lower than that of the separate atoms D. Sometimes lower and sometime higher.
18	Alumina is not used as	A. Refractory material B. A medium in chromatography C. An abrasive D. A white pigment
19	Group IV A consists of elements.	A. 3 B. 4 C. 5 D. 6
20	The solution of the transition metal complexes having one or more unpaired electrons in the d-orbital are.	A. Coloured B. Colourless C. White D. None of above