

## PPSC Chemistry Part III Inorganic Chemistry Online Test

Sr	Questions	Answers Choice
1	Has maximum property of catenation.	A. C B. Si C. Sn D. Pb
2	Which group contains elements that exist as monoatomic molecules.	A. 1 B. 2 C. 14 D. 18
3	Al Cl <sub>3</sub> acts as a strong Lewis acid, because it is.	A. A covalent compound B. Readily hydrolyzed C. Electron deficient D. An ionic compound
4	Which of the following is not an alum.	A. KAl (SO <sub>4</sub> ) <sub>3</sub> 12 H <sub>2</sub> O B. NaAl (SO <sub>4</sub> ) <sub>2</sub> 12 H <sub>2</sub> O C. NH <sub>4</sub> Fe (SO <sub>4</sub> ) <sub>2</sub> 12H <sub>2</sub> O D. FeAl (SO <sub>4</sub> ) <sub>2</sub> . 12 H <sub>2</sub> O
5	iodine is used as a	A. Photography B. Manufacture of dyes C. Analgesic D. All above
6	The element having electronic configuration 1s <sub>2</sub> , 2s <sub>2</sub> , 3s <sub>2</sub> , 3p <sub>3</sub> is.	A. Trivalent only B. Tetravalent only C. Trivalent and pentavalent D. Pentavalent only
7	Which one of the following has the highest boiling point.	A. H <sub>2</sub> O B. H <sub>2</sub> S C. H <sub>2</sub> Se D. H <sub>2</sub> Te
8	The gap between occupied and the unoccupied orbitals is not very large and the conduction of electricity is negligible at lower temperature and appreciable at high temperatures then it will be.	A. Good conductor B. Non conductor C. Semiconductor D. None of the above
9	Pick out the incorrect statement regarding ozone.	A. O <sub>3</sub> is an unstable dark blue diamagnetic gas B. The central oxygen in O <sub>3</sub> is sp <sup>3</sup> hybridized C. It causes the tailing of mercury D. It does not react with KOH
10	In smelting process the ore is mixed with	A. Silica B. Coke C. Limestone D. All
11	Which element out of the following can exhibit a maximum con valency of seven.	A. Chlorine B. Sulphur C. Fluorine D. both Cl and F
12	Which of the following will exhibit variable electro Valency due to inter pair effect.	A. Fe B. Sn C. K D. Both Fe and Sn
13	Metallic bond is treated essentially as in character	A. Ionic B. Covalent C. Polar D. Non polar
14	When borax is strongly heated, it gives	A. B <sub>2</sub> O <sub>4</sub> B. Na <sub>2</sub> B <sub>4</sub> O <sub>7</sub> C. NaBO <sub>2</sub> D. NaBO <sub>2</sub> + B <sub>2</sub> O <sub>3</sub>
15	Which of the following compounds is most acidic.	A. H <sub>2</sub> O B. H <sub>2</sub> S C. H <sub>2</sub> Se

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16 Which of the following alkaline earth metals occurs in radioactive form in nature.

A. Ca  
B. Mg  
**C. Ra**  
D. Ba

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17 What is the oxidation number of the central metal atom in the coordination compound.  
[Pt(NH<sub>3</sub>)<sub>5</sub>Cl]Cl

A. -1  
B. 0  
**C. +2**  
D. +3

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18 In which of the following species the bonds are non directional.

A. NCl<sub>3</sub>  
**B. RbCl**  
C. BeCl<sub>2</sub>  
D. BCl<sub>3</sub>

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19 H-Bonding also exists in system like

A. Protein  
B. DNA  
**C. Both A and B**  
D. None of above

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20 ClF is

A. Chlorine monofluoride  
B. Fluorine  
C. Monochlorine fluoride  
**D. Monofluorine chloride**

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