

PPSC Chemistry Part III Inorganic Chemistry Online Test

| Sr | Questions | Answers Choice |
|----|--|---|
| 1 | Xenon diflouride is obtained by irradiating a mixture of xenon and fluorine with light from a high pressure. | A. Mercury arc B. Tungeston arc C. Xenon arc D. None of above |
| 2 | When orthoboric acid is heated strongly it gives. | A. B2O3 B. H2B3O7 C. HBO2 D. B |
| 3 | Has maximum property of catenation. | A. C B. Si C. Sn D. Pb |
| 4 | In German Silver copper is alloyed with which metal. | A. Zn B. Ni C. Ai D. Zn and Ni |
| 5 | Strong field ligands such as CN | A. Usually produce high spin complexes and small crystal field splitting B. Usually produce low spin complexes and small crystal field splitting C. Usually produce low spin complexes and high crystal field splitting D. Cannot form low spin complexes |
| 6 | The geometry of Xe F2 is | A. Triangular planar B. Square planar C. Linear D. Trigonal bipyramidal |
| 7 | Helium is used in weather balloons and airships instead of H2 becuse it is. | A. Lighter than hydrogen B. Incombustible C. More abundant than hydrogen D. Radiactive |
| 8 | The correct order of electron affinities is. | A. C > Si, > Na > Ar B. Si > Cl > Na > Ar C. C > Na > Si > Ar D. C > Si > Ar > Na |
| 9 | When calcium is heated in the flame of a Bunsen burner, the colour imparted to the flame is. | A. Golden yellow B. Brick red C. Crimson red D. Grassy green |
| 10 | Which of the following statements correct regarding copper. | A. It is used in electroplating B. Its salts are used as insecticides C. Its salts are used as coloring materials D. All are correct |
| 11 | According to Fajns rules, which one of following results in increased ionic nature of the covalent bond. | A. Larger cation and smaller charges on anion B. Larger cation and larger charge on anion C. Smaller cation and smaller charge on anion D. Smaller cation and larger charge on anion |
| 12 | Copper is resistant to | A. Air B. Water C. Acid and Alkali D. All of the above |
| 13 | Strength of H bond in inter mediate between | A. Van der Waals forces and covalent bond B. lonic and covalent bond C. lonic and metallic bond |

| | | D. Metallic and covalent |
|----|--|--|
| 14 | In diborane (B2H6) | A. The structure is similar to that of C2H6 B. All the atoms are in one plane C. The born atoms are linked through hydrogen bridges D. There is a direct boron boron bond |
| 15 | Which of the following molecule does not contain the covalent bond between similar atoms. | A. N2H4 B. F2O2 C. H2F2 D. H2O2 |
| 16 | Lother Meyer plotted a graph showing variation of. | A. Atomic volume with increase in atomic number B. Atomic volume with increase in atomic weight C. Atomic redii with increase in atomic weight. D. Atomic weight which increase in atomic number |
| 17 | [Ti(OH2)6]3+ gives colour | A. Green B. Red C. Purple D. Blue |
| 18 | Among the solvents given below, with dielectric constant (E) given in parentheses which has highest solubility of KCI? | A. Benzene (E=O) B. Carbon disulphide (E = O) C. Methanol (E = 32) D. Acetone (E = 2) |
| 19 | Group VA of the periodic table consist of elements. | A. 3 B. 4 C. 5 D. 6 |
| 20 | The element with maximum first ionization energy is. | A. B B. N C. O D. C |
| | | |