

PPSC Chemistry Part III Inorganic Chemistry Online Test

| Sr | Questions | Answers Choice |
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| 1 | Principal constituents of noble gases is | A. Argon B. Neon C. Xenon D. Helium |
| 2 | Zero group elements are called as | A. Inert gases B. Rare gases C. Noble gases D. All of above |
| 3 | Zero group of the periodic table consists of. | A. Four elements B. Five elements C. Six elements D. Eight elements |
| 4 | The structure of SO ₂ | A. Linear B. Angular C. V-shaped D. Planner |
| 5 | The formula of sulphur sequioxide | A. SO ₄ B. S ₂ O ₇ C. S ₂ O ₃ D. SO ₃ |
| 6 | Electronegativity of Oxygen is. | A. 2.5 B. 3.5 C. 2.4 D. 2.1 |
| 7 | Group IV A consist of elements. | A. 3 B. 4 C. 5 D. 6 |
| 8 | The correct increasing order of bond dissociation energy for N ₂ , O ₂ , F ₂ and Cl ₂ is | A. N ₂ < O ₂ < F ₂ < Cl ₂ B. F ₂ < Cl ₂ < O ₂ < N ₂ C. F ₂ < Cl ₂ < N ₂ < O ₂ D. N ₂ < Cl ₂ < F ₂ < O ₂ |
| 9 | Fluorine does not show variable oxidation state because of. | A. its high electronegativity B. Its small size C. low dissociation energy of F-F bond D. Non availability of d-orbitals |
| 10 | Halogens are coloured because. | A. They are strong oxidant B. Their molecules are held together by weak van der Waals forces C. Their atoms absorb radiations form visible range causing the excitation of valence electrons to higher energy of levels D. Their molecules absorb light radiation forming the excited state. |
| 11 | Which can be purified by sublimation | A. F ₂ B. Cl ₂ C. Br ₂ D. I ₂ |
| 12 | What element is the most abundant by mass in the Earth's crust. | A. Fe B. H C. O D. K |
| 13 | Which of the following is the active ingredient in ordinary household bleach. | A. HCl B. Cl ₂ C. NaCl D. NaClO |
| 14 | Which of the following halogen exist in solid state. | A. F ₂ B. I ₂ C. Cl ₂ D. Br ₂ |

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| 15 | HClO ₄ , HNO ₃ and HCl are all strong acids in aqueous solution in glacial acetic acid medium, their acid strength is such that. | A. HClO ₄ > HCl > HNO ₃ B. HNO ₃ > HClO ₄ > HCl C. HCl > HClO ₄ > HNO ₃ D. HCl > HClO ₄ > HNO ₃ |
| 16 | Which of the following is a pseudohalide. | A. I ₃ ⁻ B. IF ₇ C. CN ⁻ D. ICl |
| 17 | Pick out the incorrect statement for ClF ₃ | A. It has trigonal planar geometry B. It is used to make gaseous UF ₆ which is useful in making enriched U-235 fuel C. It is used as powerful fluorinating agent for inorganic compounds D. ClF ₂ has been used as fuel in short range rockets reacting with hydrazine. |
| 18 | The following oxo acids have been arranged in the order of decreasing 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 |
| 19 | Which of the following has the maximum ionic character. | A. HF B. HCl C. HI D. HBr |
| 20 | Which of the following compounds has highest boiling point. | A. HI B. HF C. HBr D. HCl |