

PPSC Chemistry Part III Inorganic Chemistry Online Test

| Sr | Questions | Answers Choice |
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| 1 | The configuration of valence shell of certain atom X is $3s2$, $3p5$, which valences can it exhibit. | A. 1,3 only B. 1,5 only C. 1,3,5,7 D. 1,3,4 |
| 2 | Boric Acid is used | A. In manufacture of pottery glaze B. In medicine as an antiseptic C. In tanning industry D. All above |
| 3 | Alums are generally used | A. In Dying and water proofing of fabric B. In arrest bleeding C. IN water purification D. All above |
| 4 | Helium is used for | A. The preservation of food B. Filling electrical transformer C. Pressuring agent in rockets D. All of above |
| 5 | Which of the following gas is lightest. | A. Dihydrogen B. Helium C. Dinitrogen D. Dioxygen |
| 6 | Ten elements Sc (Z = 21) to Zn (Z = 30) fill their 4s orbitals first and then 3d orbitals are called elements. of. | A. 3 d series. B. 4d Series C. 5d Series D. None of above |
| 7 | Which name is associated with the rules which help in predicting the portability of anion. | A. Soddy B. Slater C. Fajan D. Linus pauling |
| 8 | Ca H2 on reaction with water liberates | A. H2 B. O2 C. Botha of these D. None of these |
| 9 | Which of the following ions is smallest in size. | A. F- B. Cl- C. I- D. Br- |
| 10 | Which element out of the following can exhibit a maximum co valency of seven. | A. Chlorine B. Fluorine C. Sulphur D. Both Cl and F |
| 11 | Which of the following is not a proper use of Ni. | A. It is used as catalyst B. It is used in alloy formation C. It is used in the preparation of Monel metal D. It is attached by alkalis |
| 12 | Which of the following halide has lowest melting point. | A. NaCl B. NaF C. NaBr D. NaI |
| 13 | Which of the following orbitals has maximum penetration effect. | A. s B. p C. d D. f |
| 14 | The 'shape' of molecule ." Xe F6 is. | A. Pentagonal bipyramidalB. Regular octahedralC. Distorted octahedralD. Square planar |
| | | A. Low temperature high pressure and high concentration of reactants |

and high concentration of reactants

B. Low temperature, low

| 15 | Pick out the ideal conditions needed for the manufacture of H2SO4 by contact process. | concentration of reactants and low pressure C. High temperature high pressure and high concentration of reactants D. Low temperature, low pressure and high concentration of reactants. |
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| 16 | Pick out the incorrect statement about K2Cr2O7 | A. It is thermally stable B. It dissolves in alkali to form chromate C. It oxidizes acidified FeSO4 solution to Fe2(SO4)3 D. It is used as cleansing agent for glassware, etc. when mixed wiht cold conc. H2SO4 |
| 17 | The formula of Borax is. | A. Na2B4O7 6H2O B. Na2B4O7 8H2O C. Na2B4O7 10H2O D. Na2B4O7 12H2O |
| 18 | Which of the following compounds combines with hemoglobin. | A. CO2 B. CO C. NO D. N2 |
| 19 | Which group contains elements that exist as monoatomic molecules. | A. 1 B. 2 C. 14 D. 18 |
| 20 | The noble gases are used due to having property | A. Chomical inertness B. Low boiling point C. Any of a or b D. Both a and b |