

PPSC Chemistry Part III Inorganic Chemistry Online Test

Sr	Questions	Answers Choice
1	The bond order gives the following valuable information.	A. Stability of the molecules of ions B. Bond dissociation energy and bond length C. Magnetic properties D. All of the above
2	The oxidation state shown by phosphorus is.	A. - 3 B. + 3 C. + 3 and +5 D. - 3 , + 3 and +5
3	Which of tetra chloride is resistant to hydrolysis.	A. <chem>CCl4</chem> B. <chem>SiCl4</chem> C. <chem>GeCl4</chem> D. <chem>SnCl4</chem>
4	The major role of Fluorspar which is added in small quantities in the electrolytic reduction alumina dissolved in fused cryolite is.	A. As a catalyst B. To make the fused mixture very conducting C. To lower the temperature of the melt D. To decreases the rate of oxidation of carbon at the anode
5	In the formation of <chem>H2O</chem> molecule, the oxygen atom makes use of.	A. 2p orbitals B. sp hybrid orbitals C. Sp ₂ hybrid orbitals D. Sp ₃ hybrid orbitals
6	Which show maximum number of oxidation states in 3d series.	A. Mn B. Ni C. Co D. Zn
7	Pauling has suggested that the calculate of energy can be improved by considering.	A. Screening effect B. Polarization effect C. Both A and B D. None of abvoe
8	Aluminum occurs in nature as.	A. Native B. Combined form C. Both native and combined D. Free
9	Molten iron withdrawn from the blast furnace is called.	A. Wrought iron B. Pig iron C. Bessemer iron D. Stainless steel
10	A red color gas, on condensing ti gives a dark blue liquid.	A. NO B. N ₂ O C. N ₂ O ₃ D. N ₂ O ₄
11	The structure of SO ₂	A. Linear B. Angular C. V-shaped D. Planner
12	The most reactive alkali metal among the following is	A. Li B. Na C. Cs D. Rb
13	Pick out the incorrect statement regarding ozone.	A. O ₃ is an unstbale dark blue diamagnetic gas B. The central oxygen in O ₃ is sp ³ hybridized C. It cause the tailing of mercury D. It does not react with KOH
14	The formula of borax glass is.	A. Na ₂ B ₄ O ₇ 10H ₂ O B. Na ₂ B ₄ O ₇ 5H ₂ O C. Na B ₄ O ₇ D. Na ₂ B ₄ O ₇

D. None of above

15 Pick out the incorrect statement for XeF_4

- A. XeF_4 disproportionate violently with water
- B. It is used as fluorinating agent
- C. It has octahedral structure for geometry
- D. It oxidizes I to $\text{I}_{\text{sub}}2$

16 Sodium Tetra borate is used

- A. As alkaline buffer in dying & bleaching process
- B. In manufacture of optic glass
- C. in enameling and making glaze
- D. All above

17 Monel metal is a alloy of Ni which contains Ni upto

- A. 50%
- B. 60%
- C. 70%
- D. 80%

18 Metallic magnesium is obtained by

- A. Reduction of MgO with Coke
- B. Electrolysis of an aqueous solution of MgCl_2
- C. Electrolysis of molten MgCl_2
- D. Displacement of magnesium by iron from MgCl_2 solution.

19 Which of the following has highest ionization energy.

- A. Oxygen
- B. Argon
- C. Barium
- D. Caealum

20 Non localised bonds are referred as

- A. Metallic bond
- B. Long range bonds
- C. Ionic bond
- D. Covalent bonds