

PPSC Chemistry Part III Inorganic Chemistry Online Test

Sr	Questions	Answers Choice
1	A thionic acid	A. H ₂ S ₂ O ₃ B. H ₂ S ₂ O ₆ C. H ₂ S ₂ O ₈ D. H ₂ S ₂ O ₇
2	Which of the elements of group II A has the highest value of IE.	A. Mg B. Be C. Ca D. Sr
3	What types of bonding occurs in d-block elements.	A. Ionic B. Covalent C. Metallic D. Both B and C
4	Among LiCl, BeCl ₂ , BCl ₃ , and CCl ₄ the covalent bond character follows the order.	A. LiCl < BeCl ₂ < BCl ₃ < CCl ₄ B. LiCl > BeCl ₂ < BCl ₃ < CCl ₄ C. LiCl < BeCl ₂ < BCl ₃ < CCl ₄ D. LiCl > BeCl ₂ > BCl ₃ < CCl ₄
5	Hybridization involves.	A. Orbitals of same atom with slightly different energies. B. Orbitals of different atoms, but with equal energies. C. Orbitals of the same atom but with widely different energies. D. Orbitals of different atoms with different energies.
6	Which isotope of hydrogen is radioactive in nature.	A. Protium and deuterium B. Tritium only C. Tritium and deuterium D. Only deuterium
7	On industrial scale chlorine is prepared by	A. Dennis method B. Deacon's process C. Plantner's process D. Aludels process
8	In the metallurgy of iron, when limestone is added to the blast furnace, the calcium ion ends up in.	A. Slag B. Gangue C. Metallic calcium D. Calcium carbonate
9	Carbon in wrought iron is present as	A. Silicon carbide B. Iron carbide cementite C. Graphite D. Partly as iron carbide and partly as graphite
10	Among the elements of second period the element with highest melting point belongs to group.	A. 1 B. 14 C. 17 D. 18
11	The type of bonding in HCl is	A. Pure covalent B. Polar covalent C. Highly polar D. Hydrogen bonding
12	The dipole moments of the given species are such that.	A. BF ₃ > NF ₃ > NH ₃ B. NF ₃ > BF ₃ > NH ₃ C. NH ₃ > NF ₃ > BF ₃ D. NH ₃ > BF ₃ > NF ₃
13	Buffer solution are used to.	A. Increase the pH B. Resist the pH C. Decrease the pH D. None of above
14	Which is incorrect statement for Xe F ₂ .	A. It has linear structure. B. It is hydrolyzed rapidly in aqueous solution of a base C. It oxidizes Cl and I to Cl ₂ and I ₂

respectively
D. It cannot act as F donor

15 iodine is used as a

- A. Photography
- B. Manufacture of dyes
- C. Analgesic
- D. All above

16 Which of the following bonds between carbon-carbon is the strongest.

- A. Sigma bond
- B. Pi bond
- C. Double bond
- D. Triple bond

17 In group 17, the element with highest first ionization enthalpy belongs to.

- A. Period 1
- B. Period 2
- C. Period 7
- D. Period 6

18 Beryllium has diagonal relationship with

- A. Li
- B. Al
- C. B
- D. Na

19 Which among the following hydride is ionic in nature.

- A. Ammonia
- B. Protium oxide
- C. Calcium hydride
- D. Sulphane

20 Inter halogens are of types.

- A. 3
- B. 4
- C. 5
- D. 6