

PPSC Chemistry Part III Inorganic Chemistry Online Test

Sr	Questions	Answers Choice
1	The principal ores of copper are	A. Copper sulphides B. Copper oxides C. Both sulphides and oxides D. Copper carbonate
2	The hybridization of S in SO ₂ is.	A. sp B. sp ² C. sp ³ D. d ² s ²
3	Strength of H bond in inter mediate between	A. Van der Waals forces and covalent bond B. Ionic and covalent bond C. Ionic and metallic bond D. Metallic and covalent
4	Which two atoms of hydrogen combine to form a molecule of hydrogen gas. the energy of the hydrogen molecule is.	A. Higher than that of separate H atoms B. Equal to that of separate H atoms C. Lower than that of separate H atoms D. Sometimes lower and sometimes higher than that of separate H.
5	Which liberates H ₂ with NaOH	A. B B. Al C. Zn D. All
6	H ₂ SO ₄ is manufactured by	A. The lead chamber process B. The contact process C. Both A and B D. The Ostwald's process
7	Which of the following process is not involved in the purification of bauxite.	A. Bayer's process B. Serpek's process C. Hall's process D. Goldsmith's process
8	Which of the following does not form stable diatomic molecule.	A. Nitrogen B. Phosphorus C. Hydrogen D. Oxygen
9	Which of the following is planar?	A. CH ₂ Cl ₂ B. CHCl ₃ C. CCl ₄ D. C ₂ H ₂
10	How many unpaired electron are there in a strong field iron (II) octahederal complex.	A. 0 B. 1 C. 2 D. 4
11	Anything that influence the valence electrons will affect the chemistry of the element Which of the following factors does not affect the valency shell.	A. Valence principle quantum number in B. Nuclear charge (Z) C. Nuclear mass D. Number of core electrons
12	According to Usanovich concept a base is defined as any species.	A. Capable of giving up anions B. Combining with cations C. Neutralizing an acid to give a salt D. All of above
13	When steam is passed over red hot coke The product formed is	A. Hydrogen and carbon dioxide B. Mixture of hydrogen and carbon monoxide C. Mixture of hydrogen and oxygen D. Heavy hydrogen
14	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

15 On hybridization of one s and one p orbitals we get.

A. Two mutually perpendicular orbitals
B. Two orbitals at 180°
C. Four orbitals directed tetrahedrally
D. Three orbitals in a plane

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

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

17 The electronic configuration of sodium ($Z=11$)

A. $1s^2, 2s^2, 2p^4$
B. $1s^2, 2s^2, 2p^6, 3s^2, 2p^5$
C. $1s^2, 2s^2, 2p^6, 3s^1$
D. $1s^2, 2s^2, 2p^6, 3s^2$

18 For the respiration of sea divers mixture is used.

A. $He \& O_2$
B. $Ar \& O_2$
C. $Ne \& O_2$
D. $Kr \& O_2$

19 All halogens exist as covalent molecules.

A. Monoatomic
B. Daitomic
C. Triatomic
D. Tetra atomic

20 Aluminum occurs in nature as.

A. Native
B. Combined form
C. Both native and combined
D. Free
