

PPSC Chemistry Part III Inorganic Chemistry Online Test

Sr	Questions	Answers Choice
1	The penultimate shell of carbon contains electrons.	A. s2 B. s2p6 C. s2p6d10 D. s2p6d8
2	Form electron deficient compounds	A. B B. Al C. Both B and Al D. None of above
3	Example of inter molecular H-bonding is	A. NH ₃ and H ₂ O B. HF C. CH ₃ COOH D. All of abvoe
4	A general trend in the properties of elements of carbon family shows that with increase in atomic number.	A. The tendency towards concatenation increases B. The tendency to show +2 oxidation state increase C. Metallic character decreases D. The tendency to form complexes with valency higher than four decreases.
5	Boric acid is added to glass because is.	A. Makes the glass opalescent B. Reduces the coefficient of expansion C. Makes the glass brittle D. Increase refractive index of the glass.
6	Which of the following statements is not true for both B and Al	A. They burn in oxygen to give oxides at high temperature B. Their halides are Lewis acids C. They combine with nitrogen to form nitrides D. They react with HCl to form chlorides.
7	Which of the following process is involved in the purification of crude metals.	A. Liquation process B. Oxidation process C. Distillation process D. Electro refining
8	Number of unpaired electrons in Cu ²⁺ ions are.	A. 1 B. 2 C. 3 D. 4
9	Shows a regular increase on moving down the group from carbon to lead	A. Atomic volume B. Atomic radius C. Density D. All above
10	Hydrogen at the moment of its generation is generally called.	A. Protium B. Nascent hydrogen C. Atomic hydrogen D. Heavy hydrogen
11	Co ordinate covalent bond found is formed by the	A. Transference of electrons B. Sharing of electrons C. Donation of electrons D. None of these
12	CFSE for d ⁷ ion is.	A. 0.8 B. -0.8 C. -1.8 D. 1.8
13	Neon is used in neon signs for advertising purpose because.	A. Neon lights are visible from long distance B. Neon light are visible though fog & mist C. Both A and B D. None of the above

14 Which of the ionic possesses highest bond energy.

A. C-C
B. Si -Si
C. Ge - Ge
D. Sn -Sn

15 What is the following is incorrect.

A. Water is more polar than H₂S
B. H₂O₂ is a planar molecule
C. Heavy water is produced by the exhaustive electrolysis of water made acidic
D. H₂O₂ act both as oxidising as well as reducing agent in acidic medium

16 Used in Geiger counter to detect radioactivity

A. He
B. Ne
C. Ar
D. Kr

17 The high oxidizing power of halogens is favored by.

A. Low heat of dissociation of X₂
B. A high electron affinity of the atom
C. A higher hydration energy of the ion
D. All of above

18 In 1952 who popularized the use of CFT for inorganic chemist

A. Bethe
B. Orgel
C. Van Vleck
D. Werner

19 Metal are

A. Hard
B. Ductile
C. Malleable
D. All

20 The correct increasing order of bond dissociation energy for N₂, O₂, F₂ and Cl₂ is

A. N₂ < O₂ < F₂ < Cl₂
B. F₂ < Cl₂ < O₂ < N₂
C. F₂ < Cl₂ < N₂ < O₂
D. N₂ < Cl₂ < F₂ < O₂
