

PPSC Chemistry Part III Inorganic Chemistry Online Test

Sr	Questions	Answers Choice
1	Which of the following is not an ore of iron.	A. Haematite B. Magnetite C. Siderite D. Monazite
2	Un-like s -block elements d-block elements form which compounds as well	A. ionic compounds B. Co valent compound C. Co ordinate compounds D. None of above
3	The green colour of glass is due to the presence of.	A. Chromium (III) B. Cobalt (II) C. Mn (IV) D. Iron(III)
4	The concept of telluric helix was developed by	A. Lothar meyer B. A.E. de Chancourtois C. Newlands D. Doberieiner
5	The configuration of valence shell of certain atom X is $3s^2, 3p^5$, which valences can it exhibit.	A. 1,3 only B. 1,5 only C. 1,3,5,7 D. 1,3,4
6	Which isotope of hydrogen is radioactive in nature.	A. Protium and deuterium B. Tritium only C. Tritium and deuterium D. Only deuterium
7	Ionic compounds in general possess both	A. High melting point and non - directional bonds B. High melting points and low boiling points C. Directional bonds and low boiling points D. High solubility in polar and non - polar bonds.
8	The important condition for the formation of chemical bond is that.	A. Their electron clouds should not diffuse B. Both atoms should have high electron affinities. C. Both atoms should have same electronegativities D. The process should be accompanied by the lowering in potential energy.
9	Strongest inter molecular hydrogen bond is formed in	A. H_2O B. NH_3 C. HF D. H_2S
10	Metal crystallize is system having co ordination number	A. 8 B. 12 C. 14 D. any one of above
11	Which one of the following statements is not true.	A. Transition metals form alloys B. Transition metals form complexes C. Zn, Cd and Hg are transition metals D. $K_2[PtCl_6]$ is a well known compound but corresponding nikel compound is not known
12	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.

13 Magnesium burns in air to give.
A. MgO
B. MgCO₃
C. Mg₃N₂
D. Both A and C

14 Which is the purest form of iron.
A. Pig iron
B. Cast iron
C. Wrought iron
D. Steel

15 The Lewis structure of which of the following does not have coordinate bond.
A. SO₂
B. HNO₃
C. H₂SO₄
D. HNO₂

16 Most electronegative element is.
A. C
B. Si
C. Pb
D. Sn

17 The nature of bonds in compounds of carbon and silicon is mostly
A. Covalent
B. Electrovalent
C. Metallic
D. Both A and B

18 Commercial or the phosphoric acid is pure.
A. 37.0%
B. 82.98%
C. 88.25%
D. 90.12%

19 Helium oxygen mixture is used by deep sea divers in preference to nitrogen oxygen mixture, because.
A. Helium is much less soluble in blood than nitrogen
B. Nitrogen is much less soluble in blood than helium
C. Due to high pressure deep under the sea, nitrogen and oxygen react to give poisonous nitric oxide.
D. Nitrogen is highly soluble in water

20 The formula of bleaching powder is.
A. Ca OCl₂
B. CaClO₃
C. Ca(ClO)₃₂
D. CaOCl
