

PPSC Chemistry Part III Inorganic Chemistry Online Test

Sr	Questions	Answers Choice
1	HCIO4, HNO3 and HCL are all strong acids in aqueous solution inglacial acetic acid medium, their acid strength is such that.	A. HCIO4 > HCL > HNO3 B. HNO3 > HCIO4 > HCI C. HCl > HCIO4 > HNO3 D. HCl > HCIO4 > HNO3
2	The element having electronic configuration 1s2, 2s2, 3s2, 3p3 is.	A. Trivalent only B. Tetravalent only C. Trivalent and pentavalent D. Pentavalent only
3	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 convalency higher than four decreases.
4	Pick out incorrect statemtn about K2r2O7	A. It oxidizes acidified solution of H2S to S B. It oxidizes Ki TO i2 C. It oxidizes HCl to Cl2 D. It gives oxygen, when treated with cold conc. H2SO4
5	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.
6	The structure of SO2	A. Linear B. Angular C. V-shaped D. Planner
7	For the respiration of sea divers mixture is used.	A. He & O2 B. Ar & O2 C. Ne & O2 D. Kr & O2
8	The penultimate shells have pscudo inert gas type configuration.	A. Ga B. In C. TI D. All above
9	Which of the following is not a property of Ni.	A. it is a soft silvery white metal B. It is malleable and ductile C. It is highly magnetic D. It has high electrical and thermal conductivities
10	The correct order of second ionization potential of carbon , nitrogen, oxygen and fluorine is.	A. C > N > O > F B. O > N > F > C C. O > F > N > C D. F > O > N > C
11	The oxidation state of Pt in Xe+ [Pt F6] is	A. +4 B. +5 C. +6 D. None of these
12	lonic reactions mainly take place in.	A. Aqueous solutions and organic solvents of high polarity B. Non aqueous solvents of low polarity C. Gaseous state D. Solid state
13	Of the following an amphoteric hydroxide is.	A. Ca(OH)2 B. NaOH C. Be (OH)2

		D. Li OH
14	The only oxidation state of alkali metals in their compounds is.	A. +1 B. +2 C1 D. 0
15	Phosphoric acid is the most important of the phosphorus oxy acids. Industrially phosphoric acid is prepared by.	A. The Ostwald process B. The Haber's process C. The reaction of phosphate rock with sulphuric acid D. The reaction P4O10 with water.
16	Aluminium is used for.	A. Making ultensile & D. Making alloysC. Reducing agentD. All above
17	Which of the following is not a characteristic of covalent compound.	A. They have low melting and boiling points. B. They ionize on dissolution in polar solvents C. Their molecules have definite geometry D. They are generally insoluble in water
18	Alums are generally used	A. In Dying and water proofing of fabric B. In arrest bleeding C. IN water purification D. All above
19	Elements of group 14 have the electronic configuration of their outer shell as	A. ns2 np3 B. ns2 np2 C. ns2 np6 D. ns2
20	Sodium metal cannot be stored under	A. Hexane B. Benzene C. Kerosene D. Ethanol