

PPSC Chemistry Part III Inorganic Chemistry Online Test

Sr	Questions	Answers Choice
1	The correct order of ionization energies of alkali metals is.	A. Li > Na > K > Rb B. Na > K > Rb > Li C. Rb > K > Na > Li D. Rb > K > Li > Na
2	Which of the following elements has the highest value of IE.	A. Na B. K C. Mg D. Ca
3	How many varieties of commercial iron are known.	A. 1 B. 2 C. 4 D. 3
4	Which of the following elements is most electropositive.	A. C B. N C. O D. Be
5	To increase the life of filament and to low the heat conductivity a mixture in filled in electric bulb.	A. Ar & N ₂ B. Ar & Kr C. Kr & N ₂ D. Xe & N ₂
6	Example of intra molecular hydrogen bonding.	A. O-nitrophenol B. O-hydroxy benzaldehyde C. O- hydroxy benzoic acid D. All of the above
7	Considering the elements F, Cl ,O and N, the correct order of their chemical reactivity in terms of oxidizing property is.	A. F > Cl > N B. F > O > Cl > N C. Cl > F > O > N D. O > F > N > Cl
8	The common ligands can be arranged in order of their increasing splitting power to cause d-orbitals splitting. This series is called as.	A. Electro-chemical B. Spectro -chemical C. Physico-chemical D. Spectro -electrical
9	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
10	Which of the following elements forms maximum number of compounds.	A. Carbon B. Silicon C. Hydrogen D. Fluorine
11	Which of the following is not correct.	A. Rusting of iron can be stopped by increasing the concentration of CO ₂ in water B. Rusting of iron is electrochemical in nature. C. Rusting of iron takes place in moist air D. Rusting of iron produces hydrated iron (III) oxide
12	pKa value of hyponitrous acid is.	A. -7.0 B. 8.9 C. 4.1 D. 6.6
13	Which compound among the following does not contain an ionic bond.	A. NaOH B. HCl C. KaS D. LiH
14	Elements in which differentiating electron enters the (n-1) the d-orbitals of the (n-1) the main shell are called elements.	A. s- block B. p-block C. d-block D. f-block

15	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 nickel compound is not known
16	Metallic magnesium is obtained by	A. Reduction of MgO with Coke B. Electrolysis of an aqueous solution of $MgCl_2$ C. Electrolysis of molten $MgCl_2$ D. Displacement of magnesium by iron from $MgCl_2$ solution.
17	Which one of the following ions is colourless.	A. Cu^+ B. Ni^{2+} C. Co^{2+} D. Fe^{3+}
18	Allotropic form of tin	A. White tin B. Grey tin C. Rhombic tin D. All above
19	Keeping in view the periodic law and periodic table, suggest which of the following elements should have maximum electronegative character.	A. Oxygen B. Nitrogen C. Fluorine D. Astatine
20	According to the VSEPR theory, the shape of the SO_3 molecule is.	A. Pyramidal B. Tetrahedral C. Trigonal planar D. Distorted tetrahedron