

## PPSC Chemistry Part III Inorganic Chemistry Online Test

Sr	Questions	Answers Choice
1	Colour in transition metal compounds is attributed to	A. Small sized metal ions B. Absorption of light in UV region C. Complete ns sub shell D. <b>incomplete (n-1) sub shell</b>
2	The electronic configuration of some elements are given below. The element with highest electron affinity is	A. 1s2, 2s2, 2p3 B. 1s2, 2s2, 2p4 C. <b>1s2, 2s2, 2p5</b> D. 1s2, 2s2, 2p6
3	Formula of orthophosphoric acid.	A. <b>H2PO4</b> B. H3PO3 C. H3PO2 D. H4P2O5
4	The aluminium alloy used to make parts of aircrafts is.	A. Magnalium B. <del>Aluminium bronze</del> C. <b>Duralumin</b> D. All of the these
5	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. <b>Nuclear mass</b> D. Number of core electrons
6	The inert gases Ar, Kr and Xe form compounds with water at low temperature and high pressure. These compounds are called.	A. Halides B. <b>Hydrates</b> C. Clathrates D. All of above
7	Which element amongst the following has the highest boiling point.	A. Na B. <b>Mg</b> C. Ca D. K
8	The H2SO4 obtained by the contact process having purity	A. 70% B. 74% C. <b>78%</b> D. 82%
9	Relative order of acidity of HF, HCl, HBr, and HI acids is	A. HCl > HBr > HI > HF B. HF > HCl > HBr > HI C. <b>HI &gt; HBr &gt; HCl &gt; HF</b> D. HF > HI > HCl > HBr
10	The correct order of thermal stabilities of hydrides of group 15 is.	A. NH3 > PH3 > AsH3 > BiH3 > SbH3 B. <b>NH3 &gt; PH3 &gt; AsH3 &gt; SbH3 &gt; BiH3</b> C. NH3 < PH3 < SbH3 < AsH3 < BiH3 D. BiH3 > SbH3 > AsH3 > PH3 > NH3
11	Which of the following gas is lightest.	A. <b>Dihydrogen</b> B. Helium C. Dinitrogen D. Dioxygen
12	Greenish yellow gas with pungent irritating odour	A. <b>Chlorine</b> B. Fluorine C. Iodine D. Bromine
13	In the Lewis structure of H2SO4 molecule the total number of unshared electrons in valence shell of various atoms is.	A. <b>8</b> B. 16 C. 12 D. 20
14	In each period the element with least electron affinity belongs to.	A. <b>Group 1</b> B. Group 14 C. Group 17 D. Group 18

15	Blue color of glass of due to the presence of .	A. Cobalt (II) B. Chromium (III) C. Iron (III) D. copper (II)
16	The most stable oxidation state of chromium is.	A. +6 B. +3 C. +4 D. +2
17	Which metal burns in air at high temperature with the evolution of much heat.	A. Cu B. Hg C. Pb D. Al
18	Which of the following alkaline earth metals occurs in radioactive form in nature.	A. Ca B. Mg C. Ra D. Ba
19	The yellow colour of chromates changes to orange red on acidification, due to the formation of.	A. Cr <sup>3+</sup> B. Cr <sub>2</sub> O <sub>3</sub> C. Cr <sub>2</sub> O <sub>7</sub> <sup>2-</sup> D. CrO <sub>3</sub>
20	The formula of sulphur sequioxide	A. SO <sub>4</sub> B. S <sub>2</sub> O <sub>7</sub> C. S <sub>2</sub> O <sub>3</sub> D. SO <sub>3</sub>