

PPSC Chemistry Part III Inorganic Chemistry Online Test

Sr	Questions	Answers Choice
1	Which of the following have identical bond order.	A. CN^- and O_2^- B. CN^- and NO^+ C. O_2^- and CN^+ D. NO^+ and CN^+
2	Helium contents in the atmosphere by volume.	A. 0.0005% B. 0.0015% C. 0.0001% D. 0.00001%
3	Ammonia is utilized for	A. Manufacture of urea B. Oxidation to nitric acid C. Manufacture of ammonium sulphate D. All above
4	Elements in the same vertical group of the periodical have same	A. Number of electron B. Atomic number C. Number of valence electrons D. Electronic configuration
5	Which of the following statement is not true for carbon.	A. Its forms compounds with multiple bonds B. Its ionization energy is very high C. It undergoes catenation D. It shows inert pair effect
6	Which of the following element has six electrons in the valence shell but cannot exhibit a maximum co valency of six.	A. Sulphur B. Oxygen C. Selenium D. Both A and B
7	Give violet colour to flame	A. Gallium B. indium C. Thallium D. Aluminium
8	Strongest inter molecular hydrogen bond is formed in	A. H_2O B. NH_3 C. HF D. H_2S
9	The electronic configuration of sodium ($Z=11$)	A. $1s^2, 2s^2, 2p^4$ B. $1s^2, 2s^2, 2p^6, 3s^2, 2p^5$ C. $1s^2, 2s^2, 2p^6, 3s^1$ D. $1s^2, 2s^2, 2p^6, 3s^2$
10	Which of the following configuration of an ionic species represents pseudoe noble gas configuration.	A. ns^2 B. $ns^2 np^6$ C. $ns^2 np^6 nd^{10}$ D. $ns^2 np^3$
11	Which of the following is the weakest base.	A. KOH B. $NaOH$ C. $LiOH$ D. $RbOH$
12	Electron gas theory is able to explain	A. Metallic lusture and optical properties B. Malleability and ductility C. High electrical and thermal conductivity D. All of the above
13	When calcium is heated in the flame of a Bunsen burner, the colour imparted to the flame is.	A. Golden yellow B. Brick red C. Crimson red D. Grassy green
14	According to Usanovich concept a base is defined as any species.	A. Capable of giving up anions B. Combining with cations C. Neutralizing an acid to give a salt D. All of above

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	Which of the following carbonates decomposes at the highest temperature.	A. $MgCO_3$ B. $CaCO_3$ C. $SrCO_3$ D. $BaCO_3$
17	Which pair of species can undergo chemical reaction with each other.	A. $CO + NO$ B. LiH and H_2O C. CO_2 and HCl D. CaH_2 and SiH_4
18	Urea is fertilizer	A. Nitrogen fertilizer B. Potash fertilizer C. Phosphorous fertilizer D. Complete fertilizer
19	Which of the following is not a proper use of Ni.	A. It is used as catalyst B. It is used in alloy formation C. It is used in the preparation of Monel metal D. It is attacked by alkalis
20	Lime water is an aqueous solution of.	A. $MgSO_4$ B. $Ca(OH)_2$ C. $CaCO_3$ D. $CaSO_4$