

PPSC Chemistry Part III Inorganic Chemistry Online Test

Sr	Questions	Answers Choice
1	Which among the following is a false statement.	A. <chem>SiO2</chem> has a structure similar to that of <chem>CO2</chem> B. Natural Si exists only in the combined state C. Si can be prepared by reducing <chem>SiO2</chem> with Mg D. Si does not exist in graphite like structure, but exists only in diamond like structure.
2	Which of the following would decompose at lowest temperature.	A. <chem>MgCO3</chem> B. <chem>SrCO3</chem> C. <chem>BaCO3</chem> D. <chem>CaCO3</chem>
3	Which of the following is not an alkali metal	A. Rb B. Sb C. Cs D. Fr
4	In the long form of periodic table, elements are arranged according to.	A. Increasing atomic number B. Decreasing atomic number C. Increasing atomic mass D. Decreasing atomic mass
5	Anything that influences 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 B. Nuclear charge (Z) C. Nuclear mass D. Number of core electrons
6	Iron which contains up to 1% carbon is called.	A. Steel B. Cast iron C. Wrought iron D. Pig iron
7	Which metal burns in air at high temperature with the evolution of much heat.	A. Cu B. Hg C. Pb D. Al
8	Stainless steel contains	A. <chem>Fe+Cr+Ni</chem> B. <chem>Fe+Ni+Cu</chem> C. Fe + Cr + Cu D. Cu + C + Ni
9	A type of a chemical bond which is formed by the mutual sharing of electrons between combining atoms of the same or different elements is called.	A. Ionic bond B. Covalent bond C. Co-ordinate Covalent bond D. Metallic bond
10	Which of the following pairs shows diagonal relationship	A. Li and Mg B. Na and K C. Zn and Cd D. Li and Be
11	Which of the following statement is not correct.	A. The element with highest IE belongs to group 18 B. In each period the element with lowest IE belongs to group I C. In each period the element with highest IE is a noble gas D. In the second period as we move from left to right, ionization energy increases regularly.
12	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.

13 Which of the following state is not true with respect to copper.

A. It is malleable and ductile
B. It is a best conductor of heat and electricity
C. It forms alloys easily
D. Molten copper absorbed carbon dioxide

14 Xenon diflouride is obtained by irradiating a mixture of xenon and fluorine with light from a high pressure.

A. Mercury arc
B. Tungeston arc
C. Xenon arc
D. None of above

15 Copper is resistant to

A. Air
B. Water
C. Acid and Alkali
D. All of the above

16 The three isotopes of hydrogen differ from one another in

A. Atomic number
B. Number of protons
C. Nuclear charge
D. Nuclear mass

17 Which among the following hydride is ionic in nature.

A. Ammonia
B. Protium oxide
C. Calcium hydride
D. Sulphane

18 Of the following the commonly used in the laboratory desiccator is.

A. Anhyd. Na_2Co_3
B. Anhyd CaCl_2
C. Dry NaCl
D. None of the above

19 In average composition of a good sample of cement the percentage of silica is.

A. 18.5%
B. 20.5%
C. 22.5%
D. 24.5%

20 The state of hybridization of carbon in CO_2 is

A. sp^2
B. sp
C. sp^3
D. dsp^2