

PPSC Chemistry Part III Inorganic Chemistry Online Test

Sr	Questions	Answers Choice
1	SO ₂ acts as	A. Lewis base B. Lewis acid C. Both A and B D. None of above
2	Which of the following elements has the highest value of second ionization energy.	A. Lithium B. Beryllium C. Boron D. Magnesium
3	The increase in boiling points of noble gases from He to Xe is due to the	A. Decreases in ionization energy B. Increases in polarizability C. Increase in electron affinity D. Increase in atomic volume
4	Arrhenius concept explained	A. Constant heat of neutralization B. Quantitative determination of acid base strength C. Catalytic property of acid D. All above
5	Which process of adsorption of hydrogen on palladium is known as.	A. Syneresis B. Occlusion C. Diffusion D. Erosion
6	How many varieties of commercial iron are known.	A. 1 B. 2 C. 4 D. 3
7	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.
8	Which among the following is least soluble in water.	A. NaF B. LiF C. KF D. CsF
9	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 ⁺
10	Finely divided iron combines with CO to give.	A. Fe(CO) ₅ B. Fe ₂ (CO) ₉ C. Fe(CO) ₁₂ D. Fe(CO) ₆
11	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
12	Four elements A, B,C,D have atomic numbers Z , 1 ,Z, Z +1 and Z +2 Respectively If Z is 9, then bond between which pair of elements will be ionic.	A. A and C B. D and C C. D and B D. B and C
13	Explosive trioxide XeO ₃ is produced when	A. XeOF ₄ reacts with water B. XeOF ₄ reacts with silica C. XeF ₄ reacts with water D. Any of above statements
14	Aluminum is usually extracted from	A. Bauxite B. Corundum C. Feldepar

15 A trend which is common to elements of both the group IA and group VII A ongoing from top to bottom.

A. Boiling point increases
B. Electron affinity increases
C. Oxidizing power increases
D. Ionization energy decrease

16 Which of the following molecule does not contain the covalent bond between similar atoms.

A. N₂H₄
B. F₂O₂
C. H₂F₂
D. H₂O₂

17 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

18 In nature nickel is found in the form of.

A. Sulphides
B. Silicates
C. Arsenides
D. All

19 The maximum oxidation shown by managanese is.

A. +2
B. +7
C. +4
D. +5

20 The most electronegative element of the third period is.

A. F
B. P
C. Br
D. Cl