

## PPSC Chemistry Part III Inorganic Chemistry Online Test

Sr	Questions	Answers Choice
1	The total number of bond pairs around sulphur and total number of lone pairs around oxygen atoms in the Lewis structure of sulphate ion are respectively.	A. 4, 12 B. 8, 12 C. 12, 4 D. 6, 12
2	Which of the following can be used as drying agent of ammonia.	A. CaO B. Anhydrous CaCl <sub>2</sub> C. P <sub>2</sub> O <sub>5</sub> D. Conc. H <sub>2</sub> SO <sub>4</sub>
3	Among sodium phosphate, sodium sulphate and sodium chloride the solubility in water increases as.	A. Chloride > Phosphate > Sulphate B. Sulphate > Phosphate > Chloride C. Chloride > Sulphate > Phosphate D. Phosphate > Chloride > Sulphate
4	Which of the following is not alloy of aluminium.	A. Aluminium bronze B. Magnalum C. Duralumin D. Stellite
5	The first ionization energy in electron volts of nitrogen and oxygen atoms are respectively given by.	A. 14.6, 13.6 B. 13.6, 14.6 C. 13.6, 13.6 D. 14.6, 14.6
6	The electronegativity of the following elements increases in the order.	A. C, N, Si, P B. N, Si, C, P C. Si, P, C, N D. P, Si, N, C
7	Which of the ionic possesses highest bond energy.	A. C-C B. Si-Si C. Ge-Ge D. Sn-Sn
8	At high temperature nitrogen combines with calcium carbide to give	A. Calcium cyanide B. Calcium cyanamide C. Calcium nitride D. Calcium carbonate
9	The most reactive alkali metal among the following is	A. Li B. Na C. Cs D. Rb
10	When two atoms of hydrogen combine to form a molecule of hydrogen gas the energy of the molecule.	A. higher than that of the separate atoms B. Equal to that of the separate atoms C. Lower than that of the separate atoms D. Sometimes lower and sometimes higher.
11	Hydrometallurgy of copper involves extraction of copper from poor ores by which process.	A. Dry process B. Wet process C. Both dry and wet process D. None of these
12	Lux-Flood concept is a donor-acceptor system of.	A. Proton B. Electron pair C. Neutron D. Oxide ion
13	Which of the following is the second anciently known metal.	A. Nickel B. Copper C. Gold D. Silver
14	The formula of Bauxite is.	A. Al <sub>2</sub> O <sub>3</sub> B. Al <sub>2</sub> O <sub>3</sub> . 2H <sub>2</sub> O

C.  $\text{Al}_2\text{O}_3$ ,  $\text{H}_2\text{O}$   
D.  $\text{Na}_3\text{AlF}_6$

15 A mixture of weak acid and its salt is.  
A. Alkaline buffer  
B. Acidic buffer  
C. Neutral buffer  
D. All of above

16 The energy gap between tag and eg sets is denoted by  
A. A-  
B. 10 Dq  
C. Both A and B  
D. None of above

17 Aluminium is used for.  
A. Making utensile & framea  
B. Making alloys  
C. Reducing agent  
D. All above

18 Among the elements of third period, the element with lowest boiling point belongs to group.  
A. 1  
B. 14  
C. 16  
D. 18

19 Atomic volume of C, N, O and F are in the order  
A.  $\text{C} > \text{N} > \text{F} > \text{O}$   
B.  $\text{C} > \text{N} > \text{O} > \text{F}$   
C.  $\text{F} > \text{O} > \text{N} > \text{C}$   
D.  $\text{N} > \text{C} > \text{O} > \text{F}$

20 Among alkali metals, the least metallic element is.  
A. Li  
B. Na  
C. Rb  
D. Cs