

PPSC Chemistry Part III Inorganic Chemistry Online Test

Sr	Questions	Answers Choice
1	The penultimate shell of carbon contains electrons.	A. s2 B. s2p6 C. s2p6d10 D. s2p6d8
2	In a period, the element with biggest electron affinity belong to.	A. Group 1 B. Group 2 C. Group 17 D. Group 18
3	What element is the most abundant by mass in the Earth's crust.	A. Fe B. H C. O D. K
4	Which one of the following elements shows the most stable oxidation state of +1	A. Al B. Ga C. In D. Ti
5	The role of the mineral cryolite Na_2AlF_6 in the Hall process for aluminum production is.	A. It is the source of aluminum B. it is a chemical reducing agent C. It forms a slag to remove impuriteis D. In the molten state, it is a solvent for alumina Al_2O_3
6	Number of unpaired electrons in Cu^{2+} ions are.	A. 1 B. 2 C. 3 D. 4
7	Which of the following would decompose at lowest temperature.	A. MgCO_3 B. SrCO_3 C. BaCO_3 D. CaCO_3
8	Form electron deficient compounds	A. B B. Al C. Both B and Al D. None of above
9	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
10	A property which gradually increases on moving down group in the periodic table is	A. Ionization enthalpy B. Elemtronegativity C. Electron affinity D. atomic size
11	Berllium has diagonal relationship with	A. Li B. Al C. B D. Na
12	Iron which contains up to 1% carbon is called.	A. Steel B. Cast iron C. Wrought iron D. Pig iron
13	The energy gap between tag and eg sets in denoted by	A. A- B. 10 Dq C. Both A and B D. None of above
14	CFT was originally applied to.	A. Ionic crystal B. Liquid crystal C. Solid crystal D. All above
15	Used in TV sets and sound movies to give ready response to electrical potential	A. He B. Ne C. Ar

16 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. Grass green

17 Which is the strongest reducing agent.

A. HF
B. HCl
C. HBr
D. **HI**

18 Which of the following halogen exist in solid state.

A. F2
B. **I2**
C. Cl2
D. Br2

19 Which of the following compounds combines with hemoglobin.

A. CO2
B. **CO**
C. NO
D. N2

20 Potassium reacts with excess of oxygen to form

A. K2O
B. K2O2
C. **KO2**
D. K2O3
