

PPSC Chemistry Full Book Test

Sr	Questions	Answers Choice
1	Drying agent which react with CO ₂ and removes water vapours is.	A. CaO B. CaCl ₂ C. CaCO ₃ D. Ca(NO ₃) ₂
2	Which element amongst the following has the highest boiling point.	A. Na B. Mg C. Ca D. K
3	Metallic magnesium is obtained by	A. Reduction of MgO with Coke B. Electrolysis of an aqueous solution of MgCl ₂ C. Electrolysis of molten MgCl ₂ D. Displacement of magnesium by iron from MgCl ₂ solution.
4	Which of the following elements has the highest value of IE.	A. Na B. K C. Mg D. Ca
5	Which of the following is strongest reducing agent.	A. Be B. Mg C. Ca D. Sr
6	Which of the elements of group II A has the highest value of IE.	A. Mg B. Be C. Ca D. Sr
7	Which of the following alkaline earth metals occurs in radioactive form in nature.	A. Ca B. Mg C. Ra D. Ba
8	Which of the following is the most abundant alkaline earth metal.	A. Be B. Mg C. Ca D. Sr
9	Which of the following elements has the highest melting point.	A. Magnesium B. Calcium C. Strontium D. Beryllium
10	Which of the following has the maximum tendency to form complexes.	A. K B. Na C. Rb D. Li
11	Which of the following is the weakest base.	A. KOH B. NaOH C. LiOH D. RbOH
12	Which of the following compounds liberates CO ₂ on heating.	A. Li ₂ CO ₃ B. Na ₂ CO ₃ C. K ₂ CO ₃ D. All liberate CO ₂ on heating.
13	Which of the following reacts with excess oxygen to form a normal oxide.	A. Li B. Na C. K D. Rb
14	Which among the following is least soluble in water.	A. NaF B. LiF C. KF D. CsF
15	Which among the following is insoluble in water.	A. LiOH B. KOH C. NaOH

		D. RbOH
16	Sodium reacts with excess of oxygen to form	A. Na ₂ O B. NaO ₂ C. Na ₂ O ₂ D. NaO
17	Potassium reacts with excess of oxygen to form	A. K ₂ O B. K ₂ O ₂ C. KO ₂ D. K ₂ O ₃
18	The most reactive alkali metal among the following is	A. Li B. Na C. Cs D. Rb
19	The alkali metal that react with nitrogen directly to form nitrides.	A. Na B. K C. Rb D. Li
20	Sodium react more vigorously than lithium because.	A. It is a metal B. It has higher atomic mass C. It is more electronegative D. It is more electropositive
21	Potassium crystallizes in a body centered lattice. Hence, the coordination number of potassium in potassium metal is.	A. 4 B. 6 C. 8 D. 12
22	Sodium metal cannot be stored under	A. Hexane B. Benzene C. Kerosene D. Ethanol
23	The only oxidation state of alkali metals in their compounds is.	A. +1 B. +2 C. -1 D. 0
24	The colour imparted by lithium to the flame is.	A. Golden yellow B. Grass green C. Violet D. Red
25	Among alkali metals, the least metallic element is.	A. Li B. Na C. Rb D. Cs
26	Lithium shows diagonal relationship with	A. Beryllium B. Sodium C. Magnesium D. Calcium
27	The alkali metal with highest melting point is	A. K B. Na C. Li D. Ca
28	The correct order of ionization energies of alkali metals is.	A. Li > Na > K > Rb B. Na > K > Rb > Li C. Rb > K > Na > Li D. Rb > K > Li > Na
29	The lightest alkali metal is.	A. Lithium B. Sodium C. Rubidium D. Caesium
30	Which of the following is not an alkali metal.	A. Potassium B. Francium C. Sodium D. Strontium