

## NAT II Physical Science Chemistry

Sr	Questions	Answers Choice
1	Which of the following is different from the other three oxides?	A. MgO B. SnO C. ZnO D. $\text{Cr}_2\text{O}_3$
2	Bleaching action of bleaching powder is due to the liberation of	A. $\text{O}_2$ B. $\text{OCl}^-$ C. $\text{Cl}_2$ D. $\text{Cl}^-$
3	Dolomite has the composition	A. $\text{KCl} \cdot \text{MgCl}_2 \cdot 6\text{H}_2\text{O}$ B. $\text{Na}_3\text{AlF}_6$ C. $\text{CaCO}_3 \cdot \text{MgCO}_3$ D. $\text{CaCl}_2 \cdot \text{MgCl}_2 \cdot 6\text{H}_2\text{O}$
4	The wire in the flash bulbs is made up of	A. Mg B. Ba C. Cu D. Ag
5	Portland cement is manufactured by using	A. Limestone, clay and sand B. Limestone, gypsum and sand C. Limestone, gypsum and alumina D. Limestone, clay and gypsum
6	Magnesium keeps on burning in	A. $\text{N}_2$ B. $\text{CO}_2$ C. $\text{N}_2$ D. $\text{N}_2$ as well as $\text{CO}_2$
7	Calcium cyanamide on treatment with steam under pressure gives $\text{NH}_3$ and	A. Calcium carbonate B. Calcium hydroxide C. Calcium oxide D. Calcium bicarbonate
8	The formula to calcium cyanamide is	A. $\text{Ca}(\text{CN})_2$ B. $\text{CaC}_2\text{N}_2$ C. $\text{CaNCN}$ D. $\text{CaCHNH}_2$
9	Setting of Plaster of Paris involves	A. Oxidation with atmospheric B. Combination with atmospheric $\text{CO}_2$ C. Dehydration D. Hydration to yield another hydrate
10	Setting of cement is an	A. Exothermic reaction B. Endothermic reaction C. Neither exothermic nor endothermic D. None
11	Which of the following compounds has the lowest anion to cation size ratio?	A. LiF B. NaF C. CsI D. CsF
12	Which of the following alkali metal hydroxides is the strongest base?	A. LiOH B. NaOH C. KOH D. CsOH
13	The formula of nitre is	A. $\text{KNO}_3$ B. $\text{NaNO}_2$ C. NaCl D. $\text{Na}_2\text{CO}_3$
14	Among alkali metal salts, the lithium salts are the poorest conductors of electricity in aqueous solution because of	A. Easy diffusion of $\text{Li}^+$ ions B. Lower ability of $\text{Li}^+$ ions to polarize water molecules C. Lowest charge to radius ratio D. Small size of $\text{Li}^+$ ions

D. Higher degree of hydration of  $\text{Li}^{+}$  ions

15

Sodium metal cannot be stored under

- A. Benzene
- B. Kerosene oil
- C. Alcohol
- D. Toluene