

## NAT I Engineering Chemistry

Sr	Questions	Answers Choice
1	Magnesium keeps on burning in	A. $N_2$ B. $CO_2$ C. $N_2O$ D. $N_2$ as well as $CO_2$
2	Calcium cyanamide on treatment with steam under pressure gives $NH_3$ and	A. $CaCO_3$ B. $CaH_2$ C. $CaO$ D. $CaHCO_3$
3	The formula of calcium cyanamide is	A. $Ca(CN)_2$ B. $CaC_2N$ C. $CaNCN$ D. $CaCHNH_2$
4	Setting of plaster of paris involves	A. Oxidation with atmospheric oxygen B. Combination with atmosphere C. Dehydration D. Hydration to yield another hydrate.
5	Setting of cement is an	A. Exothermic reaction B. Endothermic reaction C. Neither exothermic nor endothermic D. None
6	Which of the following compounds has the lowest anion to cation size ratio?	A. $LiF$ B. $NaF$ C. $CsI$ D. $CsF$
7	Which of the following alkali metal hydroxides is the strongest base?	A. $LiOH$ B. $NaOH$ C. $KOH$ D. $CaOH$
8	The formula of nitre is	A. $KNO_3$ B. $NaNO_3$ C. $NaCl$ D. $Na_2CO_3$
9	Among alkali metal salts, the lithium salts are the poorest conductors of electricity in aqueous solution because of	A. Easy diffusion of $Li^+$ ions B. Lower ability of $Li^+$ ions to polarize water molecules C. Lowest charge to radius ratio D. Higher degree of hydration of $Li^+$ ions.
10	Sodium metal cannot be stored under	A. Benzene B. Kerosene oil C. Alcohol D. Toluene