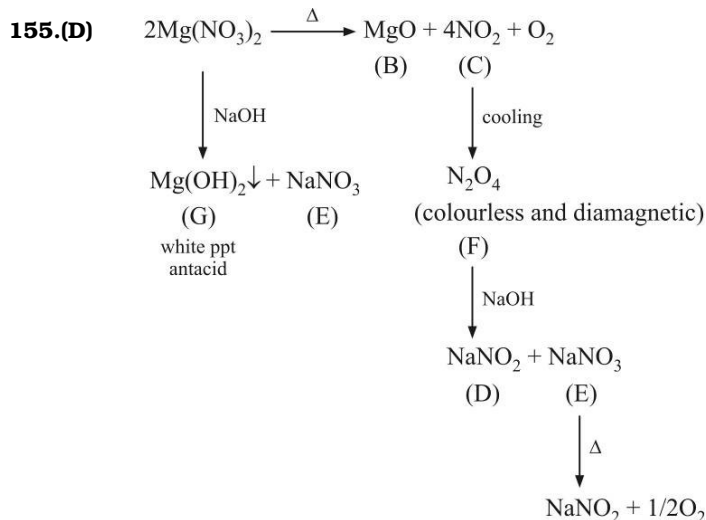
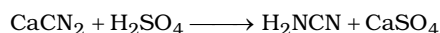
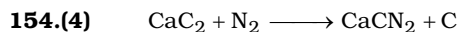


Daily Tutorial Sheet-14

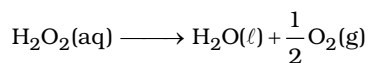
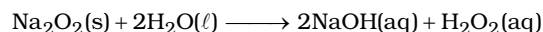
Level-3

153.(5) $\text{Ca} (Z = 20), \text{Ba} (Z = 56), x = 20 + 56 = 76$

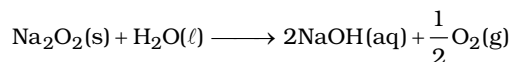
$$\frac{x + 4}{16} = \frac{80}{16} = 5$$



156.(C) The reaction proceeds via formation of H_2O_2 (which is dibasic conjugate acid of peroxide ion), H_2O_2 then disproportionates into water and oxygen.

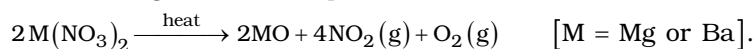


Thus over all reaction is



157.(B) $\text{Ca}(\text{HCO}_3)_2$ is an acidic salt, which reacts with the base.

158.(ABD) The nitrates of Mg and Ba decompose as follows :



The option (C) is incorrect because of the fact that $\text{Mg}(\text{NO}_3)_2$ is more covalent than $\text{Ba}(\text{NO}_3)_2$.