

Daily Tutorial Sheet 7

Level - 2

86.(D) A is ClO_3^- (chlorate). Chlorates are used in fireworks and matches.

87.(B) $\text{HF} + \text{XeF}_6 \longrightarrow \text{XeF}_5^+ + \text{HF}_2^-$

88.(A) KMnO_4 in alkaline medium is a strong oxidizing agent.

89.(B) $\text{XeF}_2 + \text{H}_2\text{O} \longrightarrow \text{Xe} + \text{HF} + \text{O}_2$

$\text{XeF}_4 + \text{H}_2\text{O} \longrightarrow \text{Xe} + \text{XeO}_3 + \text{HF} + \text{O}_2$

$\text{XeF}_6 + \text{H}_2\text{O} \longrightarrow \text{XeO}_3 + \text{HF}$

90.(A) $3\text{O}_2 \xrightarrow[\text{UV}]{\text{High energy}} 2\text{O}_3$

O_3 is good absorbant of UV rays.

91.(B) $\text{H}_2\text{O}_2 \rightleftharpoons \text{H}_2\text{O} + [\text{O}]$

92.(D) O_3 is thermally unstable and it decomposes easily which is catalyzed by traces of alkali metals.

93.(D) H_2O_2 can act as an interfering oxidising agent in most of the reactions.

94. [A-q, r, s] [B-q] [C-p, r, s] [D-p, r, s]

95.(A) Refer NCERT