



13. From the following statements regarding H_2O_2 , choose the **incorrect** statement:

- (1) It can act only as an oxidizing agent
- (2) It decomposed on exposure to light
- (3) It has to be stored in plastic or wax lined glass bottles in dark
- (4) It has to be kept away from dust

Answer: Let's find oxidation number of Oxygen in H_2O_2

$$1 \times 2 + x \times 2 = 0$$

$$\text{or } x = -1$$

Since oxidation number of Oxygen is -1 hence it can act as oxidising agent and reducing agent as well.

Correct answer is option (1) It can act only as an oxidizing agent