

**2. The oxidation number of an element in a compound is evaluated on the basis of certain rules. Which of the following rules is not correct in this respect?**

- (i) The oxidation number of hydrogen is always +1.**
- (ii) The algebraic sum of all the oxidation numbers in a compound is zero.**
- (iii) An element in the free or the uncombined state bears oxidation number zero.**
- (iv) In all its compounds, the oxidation number of fluorine is – 1.**

**Solution:**  
Option (i) is the answer