

**XI Chemistry Worksheet**

Time: 30 min

**Ch#9: Hydrogen -01**

Full Marks: 20

**Instructions:**

**1. All questions are compulsory.**

**2. Please give the explanation for the answer where applicable.**

Q1 - How do we differentiate between the three isotopes of hydrogen ?

(1 Mark)

Q2 - Which of the isotopes of hydrogen is radioactive?

(1 Mark)

Q3 - Give the chemical formula for Heavy Water?

(1 Mark)

Q4 - Why does hydrogen occupies an unique place in the Periodic Table?

(2 Marks)

Q5 - How is Hydrogen prepared in Laboratory?

(2 Marks)

Q6 - Explain Water-gas shift reaction ?

(2 Marks)

Q7 - Give the uses of Hydrogen Peroxide ?

(3 Marks)

Q8 - Explain the resemblance of Hydrogen with Alkali metals and Halogens ?

(5 Marks)

Q9 - Give the structure of Hydrogen Peroxide ?

(3 Marks)