Blooming Buds SchoolAFFILIATED TO CISCE, NEW DELHI – KA366 (ICSE SYLLABUS)

Chemistry Revision Test

L- 6-7 Class: IX Date 21/2/25 Marks : 20

1. V	folume temperature relationship is given by	
2. T	The number of protons present in tritium	
2		1

3. ____ acid is oxidizing agent and cannot be used for the preparation of hydrogen.

4. Is the temperature is reduced to half ____would also reduce to half.

 $5.293K = _{0}$

II. Give reasons (3)

- 1. All temperature in the absolute scale are in positive figures.
- 2. Concentric sulphuric acid is not used in the laboratory preparation of hydrogen.
- 3. Hydrogen is collected by the downward displacement of water and not of air even though it is lighter than air.

III. Answer in a sentence (4)

- 1. Give the product when the reactants are calcium and water.
- 2. Which test should be made before collecting hydrogen in a gas jar.
- 3. Why it is necessary to compare gases at STP?
- 4. What is diffusion.

IV. Answer the following questions (8)

- 1. State boyle law giving it's mathematical expression and graphical representation.
- 2. 1 litre of a gas at 10 degree Celsius is heated till both its volume and pressure are tripled find the new temperature?
- 3. Why are calcium and sodium metals not used in the lab preparation of hydrogen?
- 4. Give the manufacture of Hydrogen by Bosch process