

**DELHI PUBLIC SCHOOL, JAMMU**  
**SESSION- 2024-25**  
**ASSIGNMENT-2**  
**TOPIC: ACIDS, BASES AND SALTS**

**CLASS: X**

**SUB: CHEMISTRY**

- Q1: Give two examples of olfactory indicators. (1)
- Q2. What can be observed when few pieces of marble are dropped in dilute hydrochloric acid, contained in a test tube? Write the chemical equation for the reaction involved. (1)
- Q3. On passing excess carbon dioxide gas through lime water, it becomes colourless. Explain why. (1)
- Q4: While diluting an acid, why is it recommended that the acid should be added to water and not water to the acid? (2)
- Q5: State any two chemical properties of base. Write chemical equation for each. (2)
- Q6. A student detected the pH of four unknown solution A, B, C and D as follows 11, 5, 7 and 2. Predict the nature of each solution. Which solution has highest  $H^+$  ion concentration? (3)

Students will do this assignment in their chemistry assignment notebook. Assignment notebooks will be submitted to your chemistry teacher on 21<sup>st</sup> of May.