



ASSIGNMENT NO. 1

SUBJECT: SCIENCE

CLASS-VII

APRIL'2026

Chapter-2: Exploring substances acidic, basic and neutral

Answer the following questions :

1. Why does blue litmus paper turn red when dipped in lemon juice?
2. Why does soil need treatment if it becomes too acidic?.
3. Explain why bubbles are formed when vinegar is poured on marble or eggshell but not when soap solution is poured.
4. Factory waste should be neutralized before releasing into water bodies.
5. How can onion act as an olfactory indicator? Explain with an activity.
6. Explain different natural indicators with examples and their colour changes.
7. Give reasons for the following :
 - (i) Turmeric paper turns red when touched with washing powder solution.
 - (ii) Red rose extract turns red in acidic solutions and green in basic solutions
 - (iii) Hidden messages written with soap solution appear when sprayed with turmeric solution.
8. Differentiate between acidic, basic and neutral substances.

Chapter-3: Electricity: circuits and their component

Answer the following questions :

1. Siya connects a cell and a bulb with wires, but the bulb does not glow.
 - (i) List any two possible reasons.
 - (ii) How will she check whether the bulb is fused?
2. In a circuit, the switch is in OFF position.
 - (i) What is the condition of the circuit?
 - (ii) What will happen if the switch is turned ON?
3. Why are electric wires made of copper but covered with plastic?
4. If the positive and negative terminals of a cell are connected directly without a bulb, what may happen? Explain.
5. What will happen if we connect an LED opposite to its correct direction? Why?
6. Why In a torch, cells are placed in a particular order?
7. Draw a labelled circuit diagram of:
One cell, One bulb, One switch in ON position.
8. Why are LED preferred over Electric bulb?