

**SECOND TERM EVALUATION 2024-25**

**BASIC SCIENCE MODEL QUESTION PAPER 1**

**Standard: V**

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**Instructions:**

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- You have 15 minutes to read the questions before answering.
  - Attempt any 6 activities from the 8 given.
  - Answer all sub-activities in the chosen questions.
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**Activity 1**

**Multiple Choice Questions (MCQs):**

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1. Which of the following is an example of a fibrous root plant?
    - a) Mango
    - b) Grass
    - c) Neem
    - d) Rose
  2. Water is called a universal solvent because:
    - a) It is always pure.
    - b) It dissolves most substances.
    - c) It can be found everywhere.
    - d) It is tasteless.
  3. What does a seed need for germination?
    - a) Soil and sunlight
    - b) Water, air, and warmth
    - c) Water and fertilizer
    - d) Sunlight and soil nutrients
  4. Chandrayaan-3 successfully landed on:
    - a) North pole of the Moon
    - b) South pole of the Moon
    - c) Equator of the Moon
    - d) Far side of the Moon
  5. Which of the following is an adaptation for seed dispersal by wind?
    - a) Heavy seeds
    - b) Hair-like structures
    - c) Fibrous husk
    - d) Fleshy fruits
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**Activity 2**

Match the following:

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Column A	Column B
Universal solvent	Water
Seed dispersal by water	Coconut
Taproot system	Mango
Artificial satellite	Navigation and GPS
Fibrous root system	Grass

### Activity 3

Answer in brief:

1. Explain why testing water quality is important.
2. How do plants benefit from rainwater harvesting?
3. What are two major differences between monocot and dicot plants?
4. Write two examples of plants that use roots other than soil for growth.

### Activity 4

True or False:

1. Rainwater harvesting can help recharge groundwater.
2. Seeds need fertilizer to germinate.
3. Artificial satellites are used only for communication.
4. Coconut seeds are dispersed by water.

### Activity 5

1. \_\_\_\_\_ is the process of a seed sprouting and beginning to grow.
2. Name three ways water helps plants in their life cycle.
3. What role do satellites play in weather forecasting?

### Activity 6

1. Write about three different methods of seed dispersal and provide examples for each.
2. Why is water considered essential for life? List three uses in the human body.

**Activity 7**

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1. Imagine a place with limited water supply. Write three measures you would suggest to conserve water.
  2. Describe how hydroponics can be a solution for farming in urban areas.
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**Activity 8**

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1. Write on the significance of Chandrayaan-3 and its contribution to space exploration.
  2. Explain how the water cycle helps in maintaining water availability on Earth.
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