

**Answer Key**

**5<sup>th</sup> Social Second Term model question paper 2**

**Activity 1**

**Multiple Choice Questions (MCQs):**

1. b) Grass
2. b) It dissolves most substances.
3. b) Water, air, and warmth
4. b) South pole of the Moon
5. b) Hair-like structures

**Activity 2**

**Match the following:**

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**

**1. Importance of water quality testing:**

- Ensures water is safe for drinking.
- Detects harmful bacteria, chemicals, or pollutants.

- Prevents diseases caused by contaminated water.

**2. Benefits of rainwater harvesting for plants:**

- Provides water for irrigation.
- Reduces dependency on groundwater.
- Prevents soil erosion.

**3. Differences between monocot and dicot plants:**

- Monocot: Fibrous root system, parallel venation.
- Dicot: Taproot system, reticulate venation.

**4. Examples of plants using roots other than soil:**

- Orchids (aerial roots).
- Mangroves (breathing roots).

**Activity 4**

**True or False:**

1. True
2. False
3. False
4. True

**Activity 5**

**1. Fill in the blank:** Germination.

**2. Three ways water helps plants:**

- Facilitates photosynthesis.
- Transports nutrients from roots to leaves.
- Maintains plant structure (turgor pressure).

**3. Role of satellites in weather forecasting:**

- Provide data on atmospheric conditions.
- Help predict storms, rainfall, and temperature changes.
- Enable accurate and timely weather reports.

### **Activity 6**

#### **1. Methods of seed dispersal and examples:**

- By wind: Dandelion, milkweed.
- By water: Coconut, lotus.
- By animals: Burdock, mango.

#### **2. Importance of water for life:**

- Regulates body temperature.
- Aids in digestion and nutrient transport.
- Removes waste through sweat and urine.

### **Activity 7**

#### **1. Measures to conserve water in a place with limited supply:**

- Practice rainwater harvesting.
- Fix leaking taps and pipes.
- Use water-efficient appliances.

#### **2. Hydroponics in urban farming:**

- Uses nutrient-rich water instead of soil.
- Requires less space, making it ideal for cities.
- Conserves water by recycling it within the system.

### **Activity 8**

#### **1. Significance of Chandrayaan-3:**

- Landed successfully on the Moon's south pole.
- Helped conduct experiments on lunar soil and surface.
- Boosted India's position in space exploration.

**2. How the water cycle maintains water availability:**

- Evaporation turns water into vapor.
- Condensation forms clouds.
- Precipitation (rain/snow) replenishes water bodies.
- Ensures a continuous supply of fresh water.