

**FORMATIVE ACTIVITIES**

Class: 7

Subject: Science

Paper Code: 7073

Maximum Marks: 10

Instruction: Each activity carries 05 marks. Teacher can choose one activity from each section.

**SECTION - A**

(Marks: 05)

**LO – SCI 715 - Exhibits creativity in designing, planning, making use of available resources etc.****Activity 1. The Time machine**

Make a device which can measure a time interval of 03 minutes.

**Instruction:** Take two plastic bottles and make small holes in their caps. Then fix lids on the bottles with glue or Feviquick and fill them with fine sand. Now set the sand to fall into the other bottle in 3 minutes. Use a stop watch to calculate the time limit.

**Activity 2. Immersible water heater**

Make a simple water heater with materials available at home.

**Instruction:** The teacher must warn the students to keep safe from electric shocks. Materials that would be needed include wooden stick, piece of electric wire, blade or a pair of scissors, iron nails, 2/3 pin tops.

**Activity 3. The Stethoscope**

Make a working model of a clinical stethoscope using waste materials around you.

**Instruction;** The teacher can help students collect the required materials from home or surroundings.

## SECTION - B

(Marks: 05)

**LO – SCI 713 - Applies learning of scientific concepts in day-to-day life, e.g. dealing with acidity; testing and treating soil; taking measures to prevent corrosion; cultivation by vegetative propagation; connecting two or more electric cells in proper order in devices; taking measures during and after disasters; suggesting methods for treatment of polluted water for reuse, etc.**

### **Activity 4. Vegetative propagation**

Demonstrate the process of vegetative propagation in plants. Write a flow chart showing the steps to be taken.

**Instruction:** Plan a visit to a nearby nursery or make contacts with the Rural Agriculture Extension Officer Personnel in order to observe the different types of vegetative propagation. Practice these later in your school garden.

### **Activity 5. Water harvesting**

Make a simple device to explain a water harvesting process from rain water. Make a chart which can show how rain water is important in maintaining ground water level

**Instruction:** The teacher will need to take the students different places at different heights in the plains to understand the levels of ground water.

### **Activity 6. The colour segment**

Make a simple device to show the color segments/components of natural light.

**Instruction:** The teacher will need to make available cardboard discs and other necessary materials for the students.

