INDIAN SCHOOL SOHAR
PERIODIC TEST- I (2024 – 25)
SUBJECT: SCIENCE
CLASS- V

SET –A

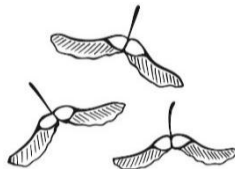**Date of Exam: 19-05-2024**
Time Allotted: 40 Minutes   **Max. Marks: 20**

(Note: This question paper consists of 2 printed pages. Please check that you have all the pages.)

Q1. Choose the correct answer for the following questions: (1 × 5 = 5)

   i. Ferns reproduce through_____.
      A. seeds   B. leaves   C. stem   D. spores

  ii. Cotton grows well in _____ soil.
      A. black   B. clayey   C. sandy   D. moist, well-drained

 iii. What is the function of the tiny plantlets that grow along the edges of the leaves?
      A. Photosynthesis   B. Protection   C. Reproduction   D. Nutrient absorption

  iv. Which part of the sugarcane plant can be used to grow a new plant?
      A. Roots   B. Stem   C. leaves   D. Buds

   v. Identify the seed from the given picture.

      A. Cocklebur   B. Dandelion   C. Sycamore   D. Cotton

Q2. There are two statements marked as Assertion (A) and Reason(R).
Choose the correct answer from the options given and write the correct option from
the following.   **(1 × 2 = 2)**
   A) Both statements Assertion (A) and Reason (R) are true and Reason(R) is the correct
      explanation of Assertion(A).
   B) Both statements Assertion (A) and Reason (R) are true and Reason(R) is not the correct
      explanation of Assertion (A).
   C) Statement Assertion (A) is true and Reason (R) is false.
   D) Statement Assertion (A) is false and Reason (R) is true.

   i. **Assertion(A):** Fruits have seeds inside them.
     Reason(R): All plants reproduce through seeds.

  ii. **Assertion(A):** Manure and chemical fertilizers are added to the soil.
     Reason(R): Manure and chemical fertilizers makes the soil rich in nutrients.

Q3. Define the terms: (1 × 2 = 2)

   i. Seed dispersal.

   ii. Plant Reproduction.

Q4. Correct and rewrite the following statement by changing the highlighted word:

   i. Dahlia can reproduce through **leaves**. (1 × 1 = 1)

Q5. Answer the following questions in brief: (Any two) (2 × 2 = 4)

   i. State two differences between kharif and rabi crops.

   ii. Draw a neat labelled diagram of structure of a seed. Explain the function of any two parts.

   iii. Explain the reproduction in plants through stem and roots with two examples each.

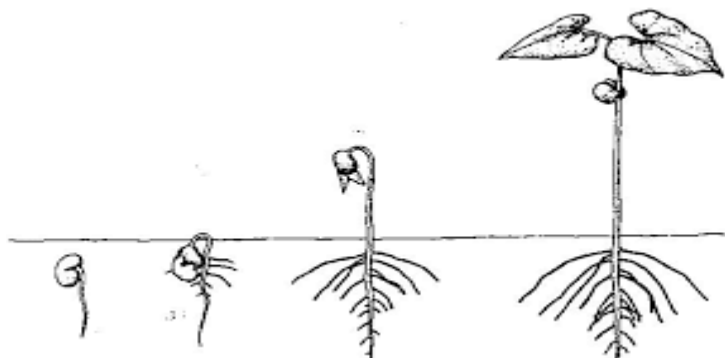**Q6. Read the passage given below and answer the following questions:** (3 × 1 = 3)

In agriculture, the journey starts with the soil. Farmers carefully prepare the soil by ploughing, adding fertilizers, and ensuring it has the right amount of moisture. Once the soil is ready, seeds are sown. These tiny seeds grow into plants that will eventually provide us with the food we need to eat. Farmers keep a close eye on their crops, making sure they have enough water and protect them from pests and diseases. When the plants have grown, it's time for the harvest.

   i. What is agriculture?
   ii. What are the essential requirements for seeds to grow into plants?
   iii. What do farmers do to protect their crops from pests and diseases?

Q7. Observe the picture carefully, and answer the following questions. (3 × 1 = 3)

   i. Explain the role of water in the germination process.
   ii. What happens to the seed coat during germination?
   iii. Describe the changes that occur in the fourth stage during germination.