



INDIAN SCHOOL SOHAR  
PERIODIC TEST- I (2022-23)

SCIENCE

CLASS: VIII  
DATE: 24 /05/2022

SET: 2

MAX.MARKS: 20  
TIME: 45 MINUTES

**GENERAL INSTRUCTIONS:**

- There are total 11 questions in the question paper.
- Q. No.1 to Q. No. 5 carry one mark each.
- Q. No. 6 to Q. No. 8 carry two marks each.
- Q. No. 9 is source based question carries three marks.
- Q. No. 10 and Q. No. 11 carry 3 marks each.

**Choose the most appropriate answer from the following options:**

1. Irrigation is the supply of water to crops at regular intervals. Observe the diagram below and identify the method.



- a) Drip irrigation      b) Dhekli      c) Sprinkler system      d) Chain pump      (1)
2. Nitrogen is one of the essential constituents of all living organisms. The atmospheric nitrogen cannot be taken directly by plants and animals. Which of the following microorganism is involved in nitrogen fixation process?  
a) Lactobacillus bacteria      b) Aspergillus      c) Spirogyra      d) Cyanobacteria      (1)
3. When Sanjay visited his fruit garden, he noticed that citrus plants affected with a plant disease causing the leaves dropped and unripe fruits fallen to the ground. What is the causative microorganism for this disease?  
a) Bacteria      b) Fungi      c) Virus      d) Algae      (1)

**Assertion and Reason:**

Question No. 4 & 5 consist of two statements – Assertion (A) and Reason (R). Answer these questions selecting the appropriate option given below:

4. **Assertion (A):** Yeast is used for commercial production of lactic acid and glucose.  
**Reason (R):** Yeast reproduces rapidly and produces carbon dioxide during respiration.      (1)

- a) Both A and R are true and R is the correct explanation of A
- b) Both A and R are true and R is not the correct explanation of A
- c) A is true but R is false
- d) A is false but R is true

**5. Assertion (A):** Legumes are an important part of crop rotation.

**Reason (R):** Crop rotation can be done by growing different crops alternatively. (1)

- a) Both A and R are true and R is the correct explanation of A
- b) Both A and R are true and R is not the correct explanation of A
- c) A is true but R is false
- d) A is false but R is true

**Answer the following questions in short:**

**6.** In a field many undesirable plants may grow naturally along with the crop. Weeding is important in agricultural practices. Why? (2 points) (2)

**7.** Vaccines are made on a large scale from microorganisms to protect humans and other animals from several diseases. How do vaccines work? (2)

**8.** The substances which are added to the soil in the form of nutrients for the healthy growth of plants are called manure and fertilizers. Write **two** differences between fertilizers and manure. (2)

**9. Source Based questions:**

**Read the passage given below and answer the following questions:**

Food preservation involves different food processing steps to maintain food quality at a desired level so that maximum benefits and nutrition values can be achieved. Food spoilage could be caused by a wide range of chemical and biochemical reactions. To impede chemical and microbial deterioration of foods, conventional and primitive techniques of preserving foods like drying, chilling, freezing, and pasteurization have been fostered.

**a)** What are preservatives? (1)

**b)** Usually we keep our food in the refrigerator. How does a refrigerator keep the food from spoiling? (1)

**c)** It is safe to consume the pasteurized milk without boiling. Give reason. (1)

**Answer the following questions in detail:**

**10.** Rani's aunt was infected with hepatitis A. The significant symptom of this disease include fever, abdominal discomfort, yellow skin and eyes.

a) What is the causative microorganism for this disease?

b) What are communicable diseases? Suggest one effective method of preventing communicable diseases. (3)

**11.** Sowing is a process of planting seeds into the soil. Farmers prefer to use seeds which give high yield. Nowadays seed drill is used for sowing with the help of tractor. Write **three** advantages of seed drill over traditional method of sowing. (3)

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