



INDIAN SCHOOL AL WADI AL KABIR

PRE- MID TERM EXAMINATION (2024-2025)

CLASS: VI

Sub: SCIENCE

MAX MARKS: 30

DATE: 04/06/2024

Set – I

TIME: 1 HOUR

General Instructions:

- i. All questions are compulsory. Marks are indicated against each section.
- ii. The question paper comprises of **4** pages and **15** questions in 5 sections **A, B, C, D** and **E**.
- iii. Q 1 to Q 4 in **section A** are MCQ and carry **ONE** mark each. Write the correct answer along with option in the answer script.
- iv. Q 5 to Q 7 in **section A** are Assertion and Reason and carry **ONE** mark each.
- v. Q 8 to Q 10 in **section B** are Short Answer Type Questions and carry **TWO** marks each.
- vi. Q 11 to Q 13 in **section C** are Short Answer Type Questions and carry **THREE** marks each.
- vii. Q 14 in **section D** is Long Answer Type Question and carries **FIVE** marks.
- viii. Q 15 in **section E**-Case study / Paragraph Question and carries **THREE** marks.
- ix. Write the same question number as given in the question paper.
- x. Whitener should not be used in the answer script.
- xi. Diagrams should be drawn using a pencil.

SECTION A (7X1=7)

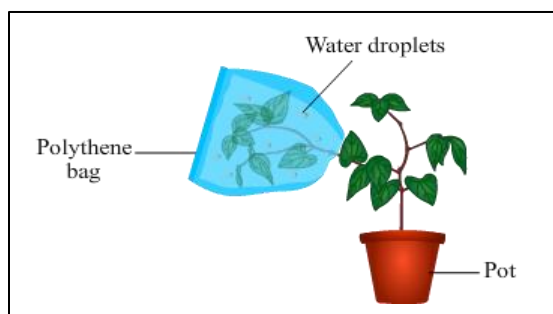
1. Transparent materials allow the light to pass through them.
 - a) partially
 - b) sometimes only
 - c) completely
 - d) Not at all
2. A lab test was conducted for few samples of food and the observations are as follows:

Samples of Food	On adding Iodine solution
Bread	Blue-black colour
Potato	Blue-black colour
Milk	No blue-black colour
Egg white	No blue-black colour

Identify the correct statement to conclude the results.

- a) Iodine solution is used to test the presence of fats.
- b) The blue-black colour confirms the presence of starch in food.
- c) The given test was conducted to find the presence of protein in food.
- d) Milk and egg white are carbohydrate-rich food.

3. Why is it important to consume diet with adequate amount of vitamins?
 - a) They provide energy to the body.
 - b) They protect the body against diseases.
 - c) They promote proper growth of the body.
 - d) They help in eliminating waste from the body.
4. A student took a healthy, well-watered plant and enclosed a leafy branch of it in a polythene bag. After a few hours, the student observed some water drops on the inner side of the polythene bag. What can be concluded from this activity?



- a) Leaves help in transpiration.
- b) Leaves help in photosynthesis.
- c) Leaves help in respiration.
- d) Leaves help in the transportation of food.

For questions 5 to 7, two statements are given-one labelled as Assertion(A) and the other labelled as Reason(R). Select the correct answer to these questions from the codes (i), (ii), (iii) and (iv) as given below:

- (i) Both A and R are true and R is the correct explanation of the Assertion.
- (ii) Both A and R are true but R is not the correct explanation of the Assertion.
- (iii) A is true but R is false.
- (iv) A is false but R is true.

5. **Assertion (A):** Frogs and toads are amphibians.

Reason (R): They breathe through gills on land and water.

6. **Assertion (A):** Avoid washing of vegetables and fruits after cutting and peeling.

Reason (R): It will lead to loss of some vitamins.

7. **Assertion (A):** The stem conducts water from roots to leaves and food from leaves to other part of the plant.

Reason (R): The stem bears leaves, flowers and fruits.

SECTION B (3X2=6)

8. **Give reasons:**

- a) An athlete is usually given glucose after a race.
- b) We should prefer consuming whole fruit instead of fruit juices.

9. a) Write any **two** functions of root.

b) What do you mean by parallel venation?

10. a) Why is water often referred to as the “Universal Solvent”?

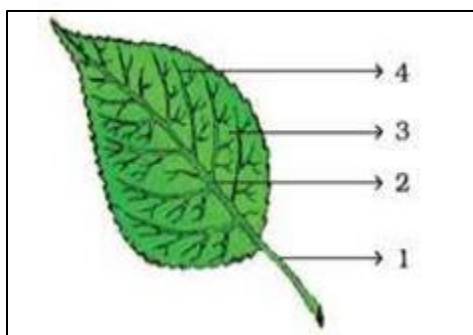
b) Define the term habitat.

SECTION C (3X3=9)

11. a) Why do we consider proteins as ‘body building food’?

b) Write any **two** symptoms of a disease caused due to the deficiency of proteins in the diet.

12. Observe the figure and attempt the questions that follow it.



a) Label the parts 1, 2, 3 and 4 in the diagram.

b) What type of venation does the leaf have?

13. a) Draw and label parts of a stamen.

b) Write the functions of sepals.

SECTION D (1X5=5)

14. i) Identify A and B in the table.

S. No.	VITAMIN/ MINERAL	DEFICIENCY DISEASE/DISORDER	SYMPTOMS
a.	A	Anaemia	Weakness
b.	B	Rickets	Bones become soft and bent

ii) Write any **two** functions of roughage in our body.

iii) Our body will not function without sufficient water. **Give two reasons.**

SECTION E (1X3=3)

15. Read the following passage and answer the questions given below.

The main function of leaf is to prepare food for the plants. It is known as the food factory of the plant. Green plants prepare their own food by the process called photosynthesis. In this process, green plants use carbon dioxide present in the air along with water and minerals from the soil to produce their own food in the presence of sunlight. Sunlight is absorbed with the help of chlorophyll, a green pigment present in the leaves.

The food prepared by the leaf is in the form of glucose. It is stored in different parts of the plant in the form of starch. Oxygen gas is evolved during this process. The exchange of gases during photosynthesis is done by small pores present in the lamina of leaves. These pores are called stomata. During photosynthesis, carbon dioxide enters through the stomata and oxygen is released through stomata.

- (i) Define photosynthesis.
- (ii) What is the main function of leaf?
- (iii) What is the green pigment present in the leaves called? What is their function?