



BURARI PUBLIC SCHOOL

a venture with **UNIQUE**

PT- III ASSIGNMENT (2024-25)

CLASS: VI

SUBJECT- SCIENCE

Date / /

Time: 1 Hr.

M.M. 20

Name: Roll No..... T. sign.....

Instructions:

- All questions are compulsory.
- Internal choices have been provided.

1) Choose the most appropriate answer:-

4x1/2=2

1. The gas that is essential for burning is:
(a) Oxygen (b) Nitrogen (c) Carbon dioxide (d) Argon
2. The presence of which of the following varies in the air from place to place?
(a) Oxygen
(b) Water vapour
(c) Nitrogen
(d) Carbon dioxide
3. The flat green part of the leaf is called:
(a) Petiole (b) Lamina (c) Midrib (d) Side vein
4. Transpiration in plants takes place through:
(a) Stomata (b) Roots
(c) Sepals (d) Stem

2) Give answer in one word for the following:

4x1/2=2

- a. An example of incomplete flower
- b. Female part of a flower
- c. Moving air
- d. % of Carbon dioxide in air

3) Answer the following in brief: (Do any 4)

4x1=4

- a. Why mountaineers carry oxygen cylinders with them?
- b. Why is Chennai more humid than Delhi?
- c. How is the balance of oxygen and carbon dioxide is maintained in the atmosphere?
- d. What are root nodules?
- e. Write one modification each of (i) roots and (ii) stems.

4) Case study:

3x1=3

Plants can be classified as herbs, shrubs and trees. Herbs have tender green stems like tomato and mint. Shrubs have a hard stem with branches near the base of the stem, e.g. lemon and China rose. Trees are very small plants with thick stem called the 'trunk'.

A) Which of the following plants has branches near the base of the stem?

- a) Tree b) Shrub c) Herb

B) Give one function of the stem.

C) Stems of banana are modified leaves. (True/False)

5) Distinguish between: (Do any 2)

2x1=2

- a. Parallel and Reticulate venation
- b. Stamen and Carpel
- c. Oxygen and Carbon dioxide gases

6) Assertion-Reason based questions:

2x1=2

The question consists of two statements as Assertion (**A**) and Reason (**R**). While answering the question, you are required to choose any one of the four choices:

- i. Both A and R are correct and R is the **correct** explanation of A.
- ii. Both A and R are correct and R is the **incorrect** explanation of A.
- iii. A is **correct** but R is **incorrect**.
- iv. Both A and R are **incorrect**.

1. Assertion (A): 78% of the air is comprised of oxygen.

Reason (R): Oxygen is not essential for respiration.

2. Assertion (A): The carpel consists of the stigma, style and ovary.

Reason (R): The carpel is the female part of the flower.

7) Answer the following in detail: (Do any 2)

2x1.5=3

- a. Write a short note on "leaf modifications".
- b. Explain the four whorls of a flower.
- c. How can you show that air is present in the soil?

8) Give reason for the following:

2x1=2

- a) Earthworms come out of the soil during the rainy season.
- b) Petals are sweet smelling and brightly colored.

