



INDIAN SCHOOL SOHAR
PERIODIC TEST - I (2023-24)
SUBJECT – EVS
CLASS – IV
SET –A

Date of Exam: 23-05-2023
Time Allotted: 40 Minutes

Max. Marks: 20

(Note: This question paper consists of 4 printed pages. Please check that you have all the pages.)

Q1. Choose the correct option:

(1× 5=5)

i. The function of chlorophyll in leaves is _____

A) to absorb water from soil

C) to absorb sunlight to perform photosynthesis

B) to exchange gases from air

D) to transport water

ii. Plants store extra food in the form of ____

A) chlorophyll

B) sugar

C) starch

D) proteins

iii. Which of the following is a non-green plant?

A) Mushroom

B) Papaya

C) Rose

D) Neem

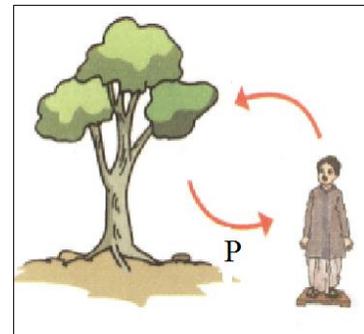
iv. What could the arrow **P** possibly represent in the diagram given below?

A) Oxygen

B) Water

C) Carbon dioxide

D) Chlorophyll



v. Which of the following statement is NOT true regarding photosynthesis?

A) plants produce oxygen for animals to breathe

B) plants need sunlight

C) plants need carbon dioxide

D) plants need oxygen

Q2. Study the two statements labelled Assertion (A) and Reason (R).

Choose the correct answer from the options given below.

(1×2=2)

i. **Assertion:** Photosynthesis takes place only during the day.

Reason: Sunlight is required for the process of photosynthesis.

- A) Both assertion (A) and reason (R) are true and reason (R) is the correct explanation of assertion (A).
- B) Both assertion (A) and reason (R) are true but reason (R) is not the correct explanation of assertion (A).
- C) Assertion (A) is true but reason (R) is false.
- D) Assertion (A) is false but reason (R) is true.

ii. **Assertion:** Balance between plants and animals is important in nature.

Reason: Animals depend upon the plants but plants are not dependent on animals.

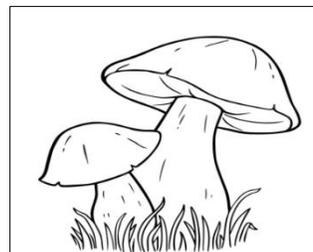
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- D) Assertion (A) is false but reason (R) is true.

Q3. Answer the following in one word

(1×3 =3)

- i. The flat, green part of the leaf _____.
- ii. Tiny openings present on leaf for performing exchange of gases in plant _____.
- iii. Observe the picture below and answer the following questions:

- a. Write the name of this non-green plant
- b. How does this plant get its food?



Q4. Give reason for the following:

(1×2 =2)

- i. Yellow leaves cannot prepare food.
- ii. Sun is the ultimate source of energy for all living things.

Q5. Define the following:

(1×2 =2)

- i. Photosynthesis
- ii. Food Chain

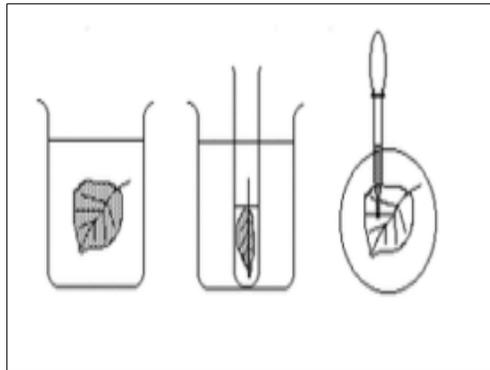
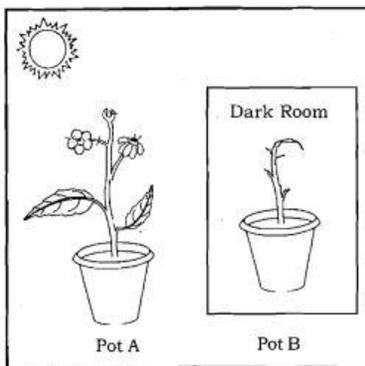
Q6. Answer the following questions:

(3×2 =6)

i. Read the passage and answer the following questions:

Shriya wanted to prove that plants need sunlight for photosynthesis. So, she took two potted plants **pot A** she kept under the sun and **pot B** she kept in total darkness.

After three days she plucked the leaves from the two plants and performed a test to find out the starch present in both leaves.



- a) Which chemical did she use for the starch test?
 - b) What is meant by bleaching in this experiment?
 - c) The colour of the leaf from pot B does not turn into a blue-black colour what could be the reason?
- ii. a) Draw a neat labelled diagram of the leaf.
- b) Write function of main vein and stalk.



INDIAN SCHOOL SOHAR
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SET –B

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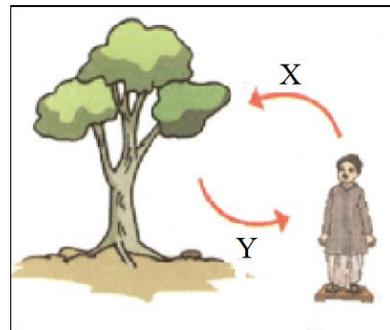
(Note: This question paper consists of 4 printed pages. Please check that you have all the pages.)

Q1. Choose the correct option:

(1× 5=5)

- i. When iodine is added to starch, the colour changes to ____
A) yellow B) blue black
C) reddish brown D) green
- ii. The function of chlorophyll in leaves is ____
A) to absorb water from soil B) to exchange gases from the air
C) to absorb sunlight to perform photosynthesis D) to transport water
- iii. Plants store extra food in the form of ____
A) chlorophyll B) sugar
C) starch D) proteins
- iv. Study the figure given here and identify gases **X** and **Y**.

- A) X - oxygen, Y - carbon dioxide
B) X - carbon dioxide, Y- oxygen
C) X - nitrogen, Y - hydrogen
D) X- hydrogen, Y - nitrogen



v. Which of the following statement is NOT true regarding photosynthesis?

- A) plants produce oxygen for animals to breathe B) plants need sunlight
C) plants need carbon dioxide D) plants need oxygen

Q2. Study the two statements labelled Assertion (A) and Reason (R).

Choose the correct answer from the options given below.

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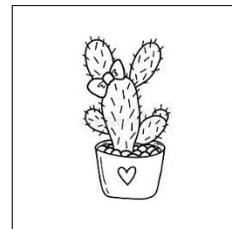
(1×3 =3)

i. Leaves of this plant have chlorophyll but still are red in colour _____.

ii. The flat, green part of the leaf _____.

iii. Observe the picture below and answer the following questions:

- a. Write the name of this plant
- b. Which part of this plant helps to prepare food?



Q4. Give reason for the following:

(1×2 =2)

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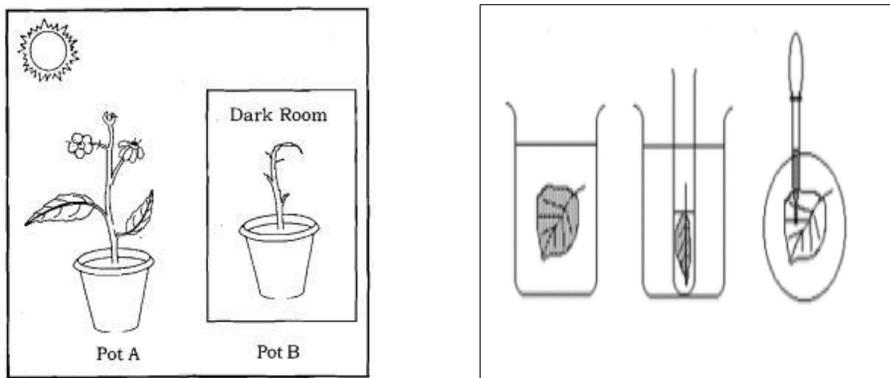
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