

Exercises

A) Tick (✓) the correct option:

1. Root grows under the soil
(a) Shoot []
(b) Root [✓]
(c) Flower []
2. The stem of neem tree is covered in a bark.
(a) Stem [✓]
(b) root []
(c) fruit []
3. Stomata is present in the leaf
(a) Root []
(b) bud []
(c) Leaf [✓]
4. Flowers are the reproductive part of the plant.
(a) Leaves. []
(b) Flowers [✓]
(c) Roots []
5. An apple has few seed/seeds.
(a) One []
(b) few [✓]
(c) many []

B) Short Answer Type Questions:

(1) What is germination?

Ans- A process by which a seed grows into a baby plant is called germination.

(2) What does the stem bear?

Ans- The stem bears leaves, buds, flowers and fruits.

(3) What kind of stem does a banana plant have?

Ans- A banana plant have thick but soft stem.

(4) How is leaf attached to the stem?

Ans- Leaf is attached to the stem with a stalk.

(5) What is special about the stem of sugarcane?

Ans- The stem of sugarcane is modified to store food inside it.

C) Long Answer Type Questions:

1) What are the functions of roots?

Ans- Roots perform the following functions:

- i. Hold the plant firmly.
- ii. Take water and nutrients from the soil.
- iii. Hold the soil.

2) Explain the process of photosynthesis.

Ans- In the process of photosynthesis plants make its food in the leaves by using sunlight, water and carbon dioxide.

3) How does a seed germinate into a big plant?

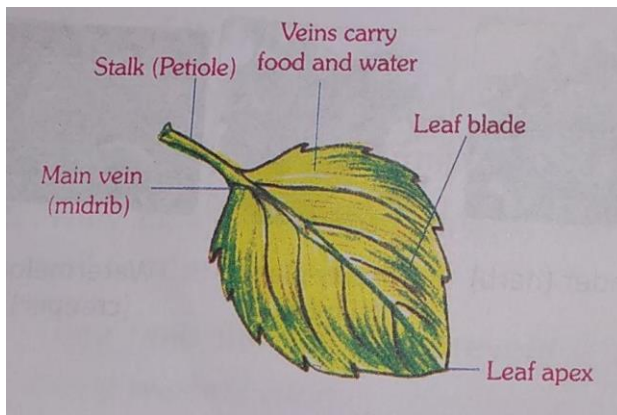
Ans- A baby plant inside a seed germinates into a big plant when it gets proper amount of air, water and sunlight.

4) Why flowers are called the reproductive parts of a plant?

Ans- Flowers produce fruits which have seeds. These seeds when sown grow into new plants. That is why flowers are called the reproductive parts of a plant.

5) Draw the structure of a leaf.

Ans-



D) Fill in the blanks:

1. Butterfly sucks nectar from the flower.
2. Tap root is the single main root that is long and thick.
3. Shoot grows above the soil.
4. Stem of coriander is very soft.
5. Fruit is formed from the flower.

E) State True or False.

1. There are five types of root. [F]
2. Some flowers are used to make perfumes. [T]
3. Baby plants have their own root and shoot. [T]
4. Leaves take in oxygen through stomata. [F]
5. The leaf blade is covered with many veins attached to the stem. [T]

F) Match the columns:

Column A

1. Leaf
2. Root
3. Fruit
4. Flower
5. Stem

Column B

- stomata
- fibrous
- seeds
- nectar
- main part of shoot

G) Give at least two examples each of plants that have /are:

- | | | |
|----------------------------|----------------|--------------------|
| 1. Tap root | <u>Pea</u> | <u>Bean</u> |
| 2. Climbers | <u>Pea</u> | <u>Money plant</u> |
| 3. Underground stem | <u>Ginger</u> | <u>Potato</u> |
| 4. Fruit having many seeds | <u>Papaya</u> | <u>Watermelon</u> |
| 5. Edible leaves | <u>Spinach</u> | <u>Cabbage</u> |

H) Puzzles and Quiz:

1. Find the names of nine plants in the given maze

Ans- 1. Spinach

2. Pumpkin

3. Carrot

4. Radish
5. Bean
6. Tomato
7. Corn
8. Lettuce
9. Gram

2. What am I?

(a) I am the part of the plant above the soil

Shoot

(b) I am the sweet smelling liquid at the base of flower

Nectar

(c) Leaf is attached to the stem with me

Stalk

(d) Climbers need my support to climb up

Tendrils

