

Short answer questions :-

1. Name the following :

(i) The part of the plant which grows under the ground: root

(ii) The part of the plant which grows above the soil: stem

(iii) the wide flat portion of the leaf: lamina

Q. What are the four functions of roots?

Ans - The four functions of roots are:-

(1) fixes the plant in the soil.

(2) Absorbs water and minerals from the soil for the growth of the entire plant.

3 Binds the soil together so that does not get washed away during rain or blown away by the wind.

3. mention the functions of the following?

(i) Spines - leaves are modified into spines to reduce water loss, like cactus. In prickly poppy, leaves bear spines on the buds.

(ii) Tendrils :- In case of certain weak stemmed plants, leaves are leaflets are modified into wiry coiled structures called tendrils.

(iii) Scale leaves - In some plants like onion and ginger, thick and fleshy or thin and dry scale leaves are present respectively. Their function is to store food and protect the buds.

4. Define venation. What are the different types of venation found in ~~the~~ the leaves?

Ans - Arrangement of veins in a lamina is called venation; It is mainly of two types.