

I. Multiple choice questions

1. Amarbel is an example of

- (a) Autotroph
- (b) Parasite
- (c) Heterotroph
- (d) Host

2. The plant which traps a feed on insects is

- (a) Cuscuta
- (b) Rose
- (c) Pitcher plant
- (d) sunflower

3. Which of these components of food can be synthesized by plants?

- (a) Carbohydrate
- (b) Fats
- (c) Proteins
- (d) All of these

4. Which of these is/are necessary for photosynthesis to takes place?

- (a) Carbon dioxide
- (b) Chlorophyll
- (c) Water
- (d) All of these

5. The trapped insect gets entangled in the hair in

- (a) Green plant
- (b) Insectivorous plants
- (c) Grass
- (d) None of these

II. Fill in the blanks

- (a) Green plants are called _____ since they synthesise their own food.
- (b) The food synthesised by the plants is stored as _____
- (c) In photosynthesis solar energy is captured by the pigment called _____
- (d) During photosynthesis plants take in _____ and release _____
- (e) Proteins contain _____
- (f) Farmers enrich the soil by adding _____ and _____
- (g) In most of green plants, photosynthesis takes place in the _____
- (h) Plants are unable to use atmospheric _____
- (i) Green patches in stagnant water are aquatic _____
- (j) During photosynthesis, _____ energy is captured by the leaves and stored as food.

III. Give one word for each-

- (a) The green coloured pigment present in the leaves of green plants _____.
- (b) The small pores on the lower surface of a leaf _____.
- (c) Insectivorous plants grow in a soil which is deficient in _____.
- (d) Plants which feed on dead and decaying matter _____.
- (e) A thin outer boundary with which a cell is enclosed _____.
- (f) Special structure in Cuscuta for absorbing readymade food from the host plant _____.
- (g) Centrally located spherical structure in cell is _____.
- (h) Kidney shaped cells which guard each stoma _____.
- (i) A jelly like substance present between plasma membrane and nucleus is known as _____.
- (j) The plant on which a parasitic plants climbs is known as _____.

IV. Give two examples for each of the following:

- (a) Parasites
- (b) Autotrophs
- (c) Saprophytes
- (d) Insectivorous plants
- (e) Symbiotic plants
- (f) Leguminous plants