

Chapter 01

Plants

1. The type of root is shown in the given picture is



- (a) tap root
(c) single root
(b) fibrous root
(d) None of these

2. Choose X with the help of given relation.

Food : Strawberry :: Medicine : X

- (a) Lotus (b) Tulsi (c) Rose (d) Cucumber

3. Photosynthesis in *Cactus* is carried out by its

- (a) roots (b) stems (c) leaves (d) spines

4. Match the following columns.

Column I		Column II	
A.	Root	1.	Sugarcane
B.	Leaf	2.	Sweet potato
C.	Stem	3.	Lotus
D.	Flower	4.	Spinach

Codes

A B C D

(a) 1 2 3 4

(c) 3 1 4 2

A B C D

(b) 4 3 2 1

(d) 2 4 1 3

5. Find the odd one out.

(a) Venus flytrap

(b) Pitcher plant

(c) Duckweed

(d) Sundew

6. State [T] for true and [F] for false statement.

I. Stomata is absent in submerged plants.

II. Petals are usually black and white in colour.

III. Moulds and mushroom are examples of fungi.

IV. Inside each seed there is a baby plant.

Codes

I II III IV

(a) T F T T


(c) T T F F

I II III IV

(b) F T F T

(d) F F T T

Direction (Q. NOs. 7-9) Study the table given below carefully and choose the correct option.

Diagram	Plant Structure	Functions of Plant Structure
	A	Produces fruit with seeds to make new plants.
	Leaves	B
	Stem	Provides support for the plant.
	Roots	C

7. The plant structure 'A' is

(a) flower

(b) fruit

(c) seed

(d) leaf

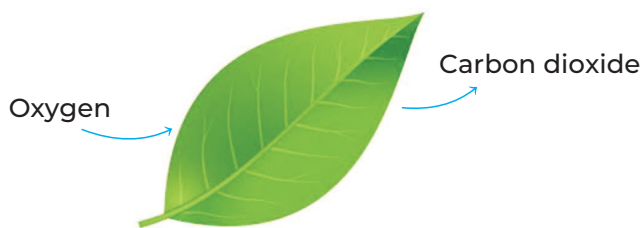
8. The function of leaves is toB.....
- (a) produce fruit
 - (b) produce seeds
 - (c) prepare food through the process of photosynthesis
 - (d) provide anchorage to the plant
9. The function of roots is toC.....
- (a) provide anchorage to the plant
 - (b) prepare food through the process of photosynthesis
 - (c) produce flowers
 - (d) produce seeds
10. Choose the correct order of stages in a plants life.
- (a) Young plant → seed → adult plant
 - (b) Seed → adult plant → young plant
 - (c) Adult plant → young plant → seed
 - (d) Seed → young plant → adult plant

Direction (Q. NOs. 11-12) Consider the picture of desert plant 'Cactus' given below to answer questions 11 and 12.



11. Why does the leaves of *Cactus* are reduced into spines?
- (a) To reduce the loss of water
 - (b) To prepare food
 - (c) To absorb more water
 - (d) None of these
12. Why does the roots of *Cactus* grow deep into the soil?
- (a) To hold the plant firmly
 - (b) To absorb more water
 - (c) To hold the soil
 - (d) None of these

- 13.** A certain process is shown in the figure below.
During which of the following times of the day does the process shown here takes place in plants?



- On which timing this process is preferable?
 (a) 6 : 00 am (b) 2 : 00 am
 (c) 11 : 00 am (d) During the complete day

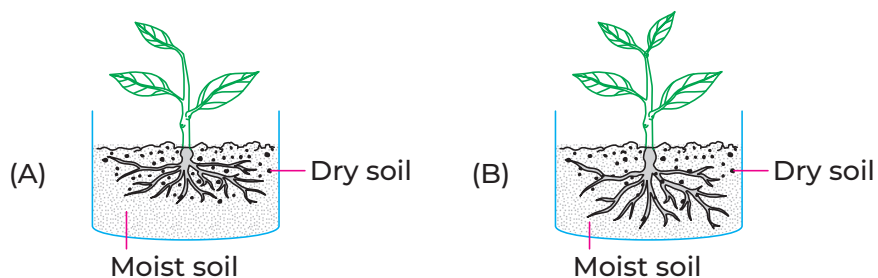
- 14.** Consider the given table carefully and answer the question.

<i>P</i>	<i>Q</i>	<i>R</i>	<i>S</i>
Rice, Pulses	Mango, Pumpkin	Carrot, Turnip	Potato, Sugarcane

A ginger can be placed in which of the four boxes given here?

- (a) *P* (b) *Q* (c) *R* (d) *S*

- 15.** The figure given shows the result of an experiment.
The experiment shows that the roots respond to



- (a) water (b) touch (c) gravity (d) sunlight

Answers

1. (a) 2. (b) 3. (b) 4. (d) 5. (c) 6. (a) 7. (a) 8. (c) 9. (a) 10. (d)
 11. (a) 12. (b) 13. (d) 14. (d) 15. (a)