

1) A plant having reticulate venation in its leaves and 5 petals in its flowers is

_____.

- a) Neither monocot nor dicot
- b) A dicot
- c) A monocot
- d) Either monocot or dicot

Hint: A dicot plant having reticulate venation in its leaves and 5 petals in its flowers.

2) What types of roots are present in a monocot plant?

- a) Tap root.
- b) Neither Fibrous or tap root.
- c) Either Fibrous or tap root.
- d) Fibrous adventitious root.

Hint: The monocot plant just has a bunch of roots coming out of the plant and is known as adventitious root.

3) Which group correctly shows monocot plants?

- a) Wheat, rice, maize
- b) Rose, lily, grasses
- c) Radish, carrot, rose
- d) Garlic, potato, cabbage

Hint: Wheat, rice and maize are monocot plants.

4) Which statement is not correct?

- a) Tap roots make plants hard to pull out of the ground.
- b) Onion has an adventitious root system.
- c) Adventitious roots prevent erosion.
- d) Only tap roots have root hairs.

Hint: Both tap roots and adventitious roots have root hairs.

5) Two cotyledons are present in the seeds of which plant?

- a) Maize
- b) Gram
- c) Orchids
- d) Castor

Hint: Dicot plants have two cotyledons. Gram is a dicot plant.

6) Venation is a term used to describe the pattern of arrangement of _____.

- a) Stem
- b) Flower in inflorescence
- c) Floral organs
- d) Veins and veinlets in a lamina

Hint: Venation is a term used to describe the pattern of arrangement of veins and veinlets in a lamina. .

7) Reticulate venation is characteristics of _____ .

- a) Thalophytes
- b) Monocot plant
- c) Fungi
- d) Dicot plant

Hint: Reticulate venation is found in dicot leaves.

8) On observing stem of a tree, it was found that vascular bundles were scattered through the stem with more of the bundles located towards the stem periphery than in the centre.

The stem belongs to _____.

- a) Neither monocot nor dicot.
- b) Monocot only.
- c) Both monocot and dicot.
- d) Dicot only.

Hint: The characteristic of a monocot stem is that the vascular bundles are scattered throughout the stem.

9) Which group correctly shows dicot plants?

- a) Coconut, banana, date palm.
- b) Neem, maize, apple.
- c) Neem, apple, banyan.
- d) Lemon, rose, rice.

Hint: Neem, apple and banyan are dicot trees.

10) If the leaves have stalks, then the plant is _____ .

- a) A monocot.
- b) A dicot.
- c) Either monocot or dicot.
- d) Neither monocot nor dicot.

Hint: If the leaves have stalks, then the plant is dicot.

11) Vascular bundles are arranged in a ring form in _____ plant.

- a) Monocot.
- b) Either monocot or dicot.
- c) Dicot.
- d) Neither monocot nor dicot.

Hint: Vascular bundles are arranged in a ring form in dicot plant.

12) What is the number of pores present in the pollen of monocot plant?

- a) 3
- b) 2
- c) 1
- d) 4

Hint: The first angiosperms had pollen with a single furrow or pore through the outer layer.

This feature is retained in the monocots.

Answer:			
1.d	2.d	3.c	4.a
5.b	6.c	7.c	8.a
9.c	10.a	11.d	12.c