

Class : XIth
Date :

Subject : BIOLOGY
DPP No. : 5

Topic :- Morphology of Flowering Plants

1. Leaf having completely divided lamina broken up into direct segment or leaflets is called
a) Petiole b) Phyllotaxy c) Compound leaf d) Simple leaf
2. The smallest Angiospermic flower is
a) *Wolffia* b) *Ranunculus* c) *Rafflesia* d) *Stellaria*
3. Fibrous root system originates from the base of
a) Root b) Stem c) Leaves d) Lamina
4. Stilt roots originate from the nodal part of
a) Stem b) Secondary root c) Leaf d) Primary root
5. The inflorescence in *Ocimum* is
a) Cyathium b) Verticillaster c) Hypanthodium d) Raceme
6. The leaves in *Utricularia* plant are modified into
a) Hooks b) Tendrils c) Bladders d) Pitchers
7. Inflorescence is the arrangement of
a) Leaves on the floral axis b) Buds on the floral axis
c) Flowers on the floral axis d) Petioles on the floral axis
8. In the flowers of a plant, the ovarian part is fused, but styles and stigmas are free. Its ovary becomes unilocular due to breakdown of partition wall and the ovules are attached to a central axis. Identify the plant.
a) *Dianthus* b) *Abutilon* c) *Nymphaea* d) *Michelia*
9. At the two ends of the embryonal axis
a) Radicle is present b) Plumule is present c) Both (a) and (b) d) None of these
10. Pneumatophores are present in
a) Mangroves b) Xerophytes c) Hydrophytes d) Lithophytes
11. Cuticle is absent in

- a) Mesophytes b) young roots c) mature stems d) Leaves
12. Identify the mismatch among the following pairs of trees and families.
 a) Psidium gujava - Myrtaceae b) Swietenia mahogni - Meliaceae
 c) Pistacia vraa - Anacardiaceae d) Murraya koenigii - Meliaceae
13. Tallest angiosperm is
 a) *Eucalyptus* b) Red wood tree c) Oak tree d) *Pinus*
14. The underground stem that has contractile roots, is
 a) Rhizome b) Corm c) Stem tuber d) Bulb
15. When gynoecium is present in the topmost position of thalamus, the flower is known as
 a) Inferior b) Epigynous c) Perigynous d) Hypogynous
16. Which is odd one?
 a) China rose b) Maize c) Mango d) Sunflower
17. Insectivore plants such as pitcher plant, venus fly trap have
 a) Modified leaf b) Modified stem c) Modified root d) All of the above
18. Select the correct statements.
 I. From the region of elongation, some of the epidermal cells form root hairs.
 II. Pneumatophores are seen in *Rhizophora*.
 III. Adventitious roots are seen in the banyan tree.
 IV. Maize and sugarcane have prop roots.
 a) I and IV b) I, III and IV c) III and IV d) II and III
19. Hesperidium of orange is a modification of
 a) Berry b) Drupe c) Pome d) Aggregate fruit
20. Which of the following statements are correct?
 I. When a fruit develops from the inflorescence, it is composite.
 II. Mesocarp is the edible part in apple.
 III. Gynobasic style is seen in *Ocimum*.
 IV. Hypanthodium is a special type of inflorescence found in *Euphorbia* species.
 a) I and IV are correct b) I and III are correct
 c) I and II are correct d) II, III and IV are correct