



Class 11 Biology | Morphology Of Flowering Plants

MCQ WORKSHEET • 15 questions • Choose one correct option • Suggested time: 25 minutes

1. A potato tuber is a modified stem because it bears

- A. Only lateral roots
- B. Nodes with buds
- C. A root cap
- D. Root hairs

2. Which root modification supports a banyan tree?

- A. Pneumatophores
- B. Prop roots
- C. Haustoria
- D. Storage taproots

3. Roots projecting above swampy soil mainly help in

- A. Respiration
- B. Pollination
- C. Fruit dispersal
- D. Photosynthesis only

4. A leaf with a bud in its axil but many leaflets is a

- A. Root system
- B. Whorl of simple leaves
- C. Compound leaf
- D. Branch with flowers

5. Parallel venation is commonly associated with

- A. Dicot leaves only
- B. Monocot leaves
- C. Fern sori only
- D. Moss capsules

6. If two leaves arise opposite each other at each node, phyllotaxy is

- A. Opposite
- B. Spiral only
- C. Alternate
- D. Whorled

7. In a racemose inflorescence, the main axis

- A. Continues to grow
- B. Forms a root cap
- C. Stops before flowering begins
- D. Always ends in a flower

8. A flower divisible into equal halves through only one vertical plane is

- A. Asymmetric
- B. Actinomorphic
- C. Zygomorphic
- D. Trimerous necessarily

9. A flower with the ovary above other floral parts is

- A. Neuter
- B. Epigynous
- C. Hypogynous
- D. Perigynous with inferior ovary

10. When sepal margins touch but do not overlap, aestivation is

- A. Vexillary
- B. Imbricate
- C. Valvate
- D. Twisted

11. Stamens attached to petals are described as

- A. Epiphyllous
- B. Apocarpous
- C. Polyandrous
- D. Epipetalous

12. Separate carpels in one flower constitute an

- A. Epipetalous androecium
- B. Adelphous calyx
- C. Syncarpous gynoecium
- D. Apocarpous gynoecium

13. Ovules attached along the ventral suture in pea show

- A. Marginal placentation
- B. Free-central placentation
- C. Axile placentation
- D. Basal placentation

14. A multilocular ovary with ovules on the central axis shows

- A. Axile placentation
- B. Basal placentation
- C. Parietal placentation
- D. Marginal placentation

15. In a typical mature seed, the plumule develops into the

- A. Seed coat
- B. Primary root
- C. Fruit wall
- D. Shoot

ANSWER KEY — check after completing all 15 questions

1.B 2.B 3.A 4.C 5.B 6.A 7.A 8.C 9.C 10.C 11.D 12.D 13.A 14.A 15.D