

Chapter – 5 | Morphology of Flowering Plants

QUIZ
PART-05

1. In semi-technical plant description, which character is described first?

- A. Floral formula
- B. Fruit only
- C. Nature and vegetative characters
- D. Seed only (C)

Explanation : Plant description begins with nature and vegetative characters like root, stem, and leaves.

2. In floral formula, K represents:

- A. Corolla
- B. Calyx
- C. Androecium
- D. Gynoecium (B)

Explanation : K is the symbol used for calyx.

3. In floral formula, C represents:

- A. Corolla
- B. Calyx
- C. Perianth
- D. Bract (A)

Explanation : C denotes corolla in floral formula.

4. Fusion of floral parts is shown by:

- A. Writing parts separately
- B. Enclosing the number in brackets
- C. Drawing only a dot
- D. Removing the symbol (B)

Explanation : Fusion is indicated by putting the number of parts in brackets.

5. Solanaceae is also called the:

- A. Mustard family
- B. Potato family
- C. Grass family
- D. Pea family (B)

Explanation : Solanaceae is commonly known as the potato family.

6. Leaves in Solanaceae are generally:

- A. Opposite with parallel venation
- B. Alternate, simple, with reticulate venation
- C. Whorled and needle-like
- D. Absent (B)

Explanation : Solanaceae leaves are alternate, simple, sometimes compound, and have reticulate venation.

7. Flowers of Solanaceae are generally:

- A. Unisexual and asymmetric
- B. Bisexual and actinomorphic
- C. Only female and zygomorphic
- D. Bractless and sterile (B)

Explanation : Solanaceae flowers are bisexual and actinomorphic.

8. In Solanaceae, stamens are:

- A. Five and epipetalous
- B. Two and free
- C. Ten and polyadelphous
- D. Absent (A)

Explanation : Solanaceae has five stamens attached to petals, so they are epipetalous.

9. Axile placentation in Solanaceae occurs because the ovary is:

- A. Unilocular with one ovule
- B. Bilocular with swollen placenta and many ovules
- C. Without ovules
- D. Inferior and dry (B)

Explanation : Solanaceae has a superior, bilocular ovary with axile placentation and many ovules.

10. Which Solanaceae plant is used as a spice?

- A. Chilli
- B. Petunia
- C. Belladonna
- D. Ashwagandha (A)

Explanation : Chilli is mentioned as a spice plant of Solanaceae.