

Chapter – 13 | Plant growth and Development

QUIZ
PART-06

1. The word auxin is derived from the Greek word meaning —
A. To grow
B. To sleep
C. To fall
D. To dry (A)

Explanation : Auxin comes from “auxein,” meaning to grow.

2. Auxin was first isolated from —
A. Human urine
B. Rice seed
C. Coconut milk
D. Cotton flower (A)

Explanation : Auxin was first isolated from human urine.

3. Natural auxins include —
A. IAA and IBA
B. NAA and 2,4-D only
C. Ethylene and ABA
D. GA3 and zeatin (A)

Explanation : IAA and IBA are naturally occurring auxins.

4. Synthetic auxins include —
A. NAA and 2,4-D
B. IAA and IBA
C. Zeatin and kinetin
D. Ethylene and ABA (A)

Explanation : NAA and 2,4-D are synthetic auxins used in agriculture.

5. Auxin helps in —
A. Rooting of stem cuttings
B. Breakdown of chlorophyll only
C. Closing stomata immediately
D. Ripening all fruits only (A)

Explanation : Auxins are widely used for vegetative propagation through cuttings.

6. Pineapple flowering can be promoted by —
A. Auxin
B. ABA
C. Kinetin only
D. Water stress (A)

Explanation : Auxin helps increase flowering in pineapple.

7. Apical dominance means —
A. Apical bud inhibits lateral bud growth
B. Lateral buds stop apical bud
C. Roots stop leaf growth
D. Fruits inhibit flowers (A)

Explanation : The growing apical bud prevents growth of axillary buds.

8. Removal of shoot tip usually causes —
A. Growth of lateral buds
B. Death of all roots
C. No branching
D. Immediate fruit ripening (A)

Explanation : Decapitation removes apical dominance and promotes branching.

9. Development of fruit without fertilization is called —
A. Parthenocarpy
B. Dormancy
C. Senescence
D. Abscission (A)

Explanation : Auxin can induce seedless fruit formation without fertilization.

10. 2,4-D is mainly used for —
A. Destroying dicot weeds
B. Increasing seed dormancy
C. Closing stomata
D. Making roots inactive (A)

Explanation : 2,4-D is useful in removing dicotyledonous weeds from fields.