



BIOLOGY

BOOKS - SUPER COMPANION 5 IN 1

PLANT GROWTH AND DEVELOPMENT

One Mark Questions And Answers

1. Expand IBA.



Watch Video Solution

2. Expand NAA.



[Watch Video Solution](#)

3. Name the hormone which brings about inter nodal elongation ?



[Watch Video Solution](#)

4. Which hormone is is responsible for premature withering of fruits ?



[Watch Video Solution](#)

5. Name the fruits ripening hormone.



[Watch Video Solution](#)

6. Define vernalisation.



[Watch Video Solution](#)

7. What is bolting ?



Watch Video Solution

8. Define growth.



Watch Video Solution

9. What are the growing regions of the plant body ?



Watch Video Solution

10. Mention the phases of growth.



[Watch Video Solution](#)

11. Name the auxin which is used as a weedicide.



[Watch Video Solution](#)

12. Name the synthetic ethylene releasing compound used as a fruit ripener.



[Watch Video Solution](#)

13. Which is commonly used as a selective weed killer ?



[Watch Video Solution](#)

14. Name the hormone responsible for bolting in biennials plants ?



[Watch Video Solution](#)

15. Name the hormone responsible for Richmond - lang effect in plants.



Watch Video Solution

Two Mark Questions And Answers

1. Expand apical dominance ?



Watch Video Solution

2. Explain the grand - period of growth.



Watch Video Solution

3. Explain any two practical applications of auxins.



Watch Video Solution

4. Explain any two functions of Gibberellins ?



Watch Video Solution

5. What are growth regulators ? List any two applications of gibberellins.



[Watch Video Solution](#)

6. Draw a graph showing the typical growth curve and mark the phases of growth in it.



[Watch Video Solution](#)

7. Write any two applications of synthetic auxins.



[View Text Solution](#)

8. Mention any two commercial applications of NAA.



[Watch Video Solution](#)

9. Mention two physiological functions of abscisic acid.



View Text Solution

10. Why is abscisic acid also known as stress hormone ?



Watch Video Solution

11. 'Both growth, and differentiation in higher plants are open'. Comment.



Watch Video Solution

12. Would a defoliated plant respond to photoperiodic cycle ? Why ?



Watch Video Solution

13. What is vernalization ? How does this help in cultivation of winter variety of wheat ?



Watch Video Solution

Three Mark Questions And Answers

1. Describe briefly :

Sigmoid growth curve.



Watch Video Solution

2. Describe briefly :

Absolute and relative growth rates.



Watch Video Solution

3. What would be expected to happen if :

GA_3 is applied to rice seedlings.



Watch Video Solution

4. What would be expected to happen if :

Dividing cells stop differentiating.



Watch Video Solution

5. What would be expected to happen if :

A rotten fruit gets mixed with unripe fruits.



Watch Video Solution

6. With reference to growth, define the following term:

Differentiation.



[Watch Video Solution](#)

7. With reference to growth, define the following term:

Deffferentiation.



[Watch Video Solution](#)

8. With reference to growth, define the following terms.

Redifferentiation.



[Watch Video Solution](#)

Five Mark Questions And Answers

1. Which one of the plant growth regulators would you use if you are asked to :
induce rooting in a twig.



[Watch Video Solution](#)

2. Which one of the plant growth regulators would you use if you are asked to :
quickly ripen a fruit.



[Watch Video Solution](#)

3. Which one of the plant growth regulators would you use if you are asked to :
delay leaf senescence.



[Watch Video Solution](#)

4. Which one of the plant growth regulators would you use if you are asked to :
induce growth in axillary buds.



[Watch Video Solution](#)

5. Which one of the plant growth regulators would you use if you are asked to :
'bolt' a rosette plant.



[Watch Video Solution](#)

6. Which one of the plant growth regulators would you use if you are asked to :
induce immediate stomatal closure in leaves.



Watch Video Solution