

Board – CBSE

Class – 11

Chapter – Plant Growth and Development

1. What is growth?
2. What are Plant growth regulators?
3. Which hormone acts as “stress hormone”?
4. Flowering in certain plant occur only when they are exposed to low temperature for a few weeks. Name this phenomenon.
5. Name the hormone released from over-ripe that affects all other apples in a small wooden box.
6. What would happen to tissue culture of parenchyma if
7. What are the functions of Auxins in plant growth?
8. Winter varieties, when planted in spring, do not produce flowers or mature grains within the span of a flowering season. Explain.
 - (a) Auxin and cytokine were present in equal quantities.
 - (b) More cytokine than auxin was present.
 - (c) More auxin than cytokine was present.
9. What is the most abundant natural cytokinin that was isolated from com kernels and coconut milk?
10. What is heterophylly?
11. What is bolting? Which hormone is responsible for it?
12. Why is the term short is plants a misnomer?
13. Explain the role played by phytohormone in seed germination.
14. Name any two synthetic auxins. How are they used in agriculture?
15. What is meant by abscission? Name the phytohormone involved in it.
16. What does the sigmoid growth curve of a population mean?
17. Differentiate between photoperiodism and vernalization?

18. Discuss the statement: 'The growth is measurable'
19. What is apical dominance? Name the hormone that controls it.
20. Write the principal characteristics of PGR's.
21. What is photoperiodism? How do you categorize the angiosperms on the basis of their flowering response?
22. How is growth measured in plants?
23. How does abscisic acid act as a stress hormone in drought conditions?
24. Several variations of wheat are cultivated in autumn and harvested in the next midsummer. Give a reason.
25. List out the Factors Affecting Plant Growth?