

K18U 0920



9. Who proposed the Apical cell theory ? Explain.
10. Give an account on plasmolysis.
11. Write on the organization of the root apex. (4×2=8)

SECTION – C

Answer **any three**.

12. Explain complex tissues with the help of diagrams.
13. Write notes on photoperiodism.
14. Illustrate and explain non cyclic photophosphorylation. How does it differ from the cyclic process ?
15. With the help of suitable diagrams, explain ion uptake in plants by exchange mechanism.
16. Some plants keep their stomata closed during the day. Explain the mechanism of photosynthesis in such plants. (3×3=9)

SECTION – D

Answer **any two**.

17. Explain the theories related to the opening and closing of stomata.
18. Describe with diagrams how secondary growth occurs in *Boerhaavia* stem. Why is it considered to be anomalous ?
19. Illustrate and discuss the process of photorespiration in plants.
20. Explain the mechanism of upward movement of water in plants. (2×5=10)
