

(2)

6. What is stomata?
7. Why ethylene is considered as important hormone in plant.
8. What are the types of apical meristems?

Group - B

Answer any **four** of the following questions : 5×4=20

9. Apical theory.
10. Difference between guttation and transpiration.
11. Growth ring
12. Mechanism of opening and closing of stomata.
13. Micro and macro nutrients.
14. Photo respiration.

Group - C

Answer any **one** of the following questions : 10×1=10

15. Describe the Calvin cycle with diagram. 10
16. How is the shoot apical meristem organized? Discuss seed dormancy and seed germination. 2+4+4

Total Pages : 2

B.Sc./2nd Sem (H)/BIT/24(CBCS)

2024

2nd Semester Examination
BIOTECHNOLOGY (Honours)

Paper : C 4-T

(Plant Anatomy and Physiology)

[CBCS]

Full Marks : 40

Time : Two Hours

*The figures in the margin indicate full marks.
Candidates are required to give their answers
in their own words as far as practicable.*

Group - A

Answer any **five** of the following questions : 2×5=10

1. What is the apical meristem?
2. Define plasmolysis.
3. What are some theories about the organization of the shoot apex?
4. Define imbibition.
5. How osmosis favours the ascend of water from root.

P.T.O.