

D 135196

(Pages : 2)

Name.....

Reg. No.....

FIRST SEMESTER (CBCSS-U.G.) DEGREE EXAMINATION, NOVEMBER 2025

(2019 Syllabus)

Botany

BOT 1C 01—ANGIOSPERMIC ANATOMY AND MICRO TECHNIQUE

Time : Two Hours

Maximum : 60 Marks

Section A*Short Answer type.**All questions can be answered.**Each question carries 2 marks.**(Ceiling 20)*

1. Define bicollateral vascular bundle.
2. What is apical meristem ?
3. What is lenticel ?
4. Comment on the activity of cambium.
5. Differentiate between ring porous and diffuse porous wood.
6. Describe Farmer's Fluid.
7. What is microtomy ?
8. What are bulliform cells ?
9. Comment on growth rings.
10. What is the use of Acetocarmine ?
11. Compare Collenchyma and Sclerenchyma tissues in plants.
12. How hydathodes are useful for plants ?

(Ceiling 20 marks)

Section B*Paragraph / Problem type.**All questions can be answered.**Each question carries 5 marks.**(Ceiling 30 marks)*

13. What are meristematic tissues ? Explain the characteristics.
14. Write a note on extrastelar secondary growth.

Turn over

15. Compare the anatomy of dicot leaf and monocot leaf
16. Write a note on electron microscope.
17. Compare Histogen theory and Tunica Corpus theory.
18. Describe the use of killing and fixing fluids.
19. Explain the structure of dicot root.

(Ceiling 30 marks)

Section C

Essay type

*Answer any one of the following questions.
The question carries 10 marks.*

20. Write an essay on Anomalous secondary growth in Boerhavia.
21. Describe different types of microscopy.

(1 × 10 = 10 marks)