

B.Sc. DEGREE EXAMINATION, APRIL 2020
II Year III Semester
Anatomy of Angiosperm and Embryology

Time : 3 Hours

Max.marks :75

Section A ($10 \times 2 = 20$) Marks

Answer any **TEN** questions

1. Tracheids
2. Periderm
3. Dracaena
4. Isobilateral leaf.
5. Tapetum
6. Sporogenous mother cells.
7. Nucellus
8. Integuments
9. Nuclear endosperm.
10. Endosperm haustoria.
11. Guard cells
12. Monocot root

Section B ($5 \times 5 = 25$) Marks

Answer any **FIVE** questions

13. Write an essay on secondary growth in dicot root with suitable example.
14. Explain the anatomy of dicot leaf.
15. Briefly explain male gametophyte.
16. Describe the different types of embryo sac studied by you.
17. Write a note on types and function of endosperm.
18. Explain the anomalous secondary growth in *Nyctanthus*.
19. Give an account on development of stages of monocot embryo's.

Section C ($3 \times 10 = 30$) Marks

Answer any **THREE** questions

20. Describe the anatomy of dicot stem with suitable example.
21. Give an account on anomalous secondary growth in Boerhaavia.
22. Explain the development of anther.
23. Write an essay on megasporogenesis.
24. Describe the embryony in dicots.

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