

B.Sc DEGREE EXAMINATION, APRIL 2019
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. Cuticle
2. Atactostelic
3. Cork cambium
4. Interxylary phloem
5. Tapetum
6. Generative cell
7. Antipodal cells
8. Microphyle
9. Endosperm
10. Double fertilization
11. Nucellus
12. Plummule

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

Answer any **FIVE** questions

13. Describe the anatomy of Monocot stem?
14. Write short notes on Tyloses?
15. Describe the anomalous secondary growth in Dracena stem?
16. Explain the structure of T.S of mature anther?
17. Describe the structure of dicot embryo sac?
18. Write short notes on Nuclear endosperm?
19. Write briefly on developed dicot embryo?

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

Answer any **THREE** questions

20. Describe in detail on the secondary growth of dicot stem?
21. Explain the anatomy of dicot leaf and mention various types of stomata?
22. Describe in detail on the development of megaspore?
23. Elaborate various stages of development in dicot embryo?
24. Give a comparative account of dicot root and monocot root?

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