B.Sc. DEGREE EXAMINATION,NOVEMBER 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. Lenticels
2. Bulliform cells
3. Isobilateral leaf.
4. Medullary bundle
5. Triple fusion
6. Tapetum
7. Circinotropous ovule.
8. Anisocytic stomata.
9. Ruminate endosperm.
10. Polyembryony
11. Bast fibre.
12. Endosperm haustoria.

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

Answer any **FIVE** questions

13. Draw and describe the internal structure of a monocot root.
14. Illustrate the transverse section of a dicot leaf.
15. With diagrams explain the development of male gametophyte.
16. Explain the structure of an ovule.
17. Explain the development of monocot embryo.
18. Describe the types of endosperm.
19. Describe the anomalous growth seen in *Nyctanthes*.

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

Answer any **THREE** questions

20. Describe the secondary growth in dicot stem.
21. With the help of a labelled sketch describe the secondary growth of *Dracaena*.
22. Draw and describe the structure and development of an anther.
23. Describe the different types of embryo sacs you have studied.
24. Explain the structure and development of dicot embryo.

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