

SHRIMATHI DEVKUNVAR NANALAL BHATT VAISHNAV COLLEGE FOR WOMEN
(AUTONOMOUS)

(Affiliated to the University of Madras and Re-accredited with 'A+' Grade by NAAC)
Chromepet, Chennai — 600 044.

B.Sc.(PBPBT) - END SEMESTER EXAMINATIONS APRIL-2023

SEMESTER - III

20UPBCT3006 - Anatomy of Angiosperm and Embryology

Total Duration : 2 Hrs 30 Mins.

Total Marks : 60

Section B

Answer any **SIX** questions ($6 \times 5 = 30$ Marks)

1. Write a detailed account of the Periderm.
2. Briefly describe about the stomatal development with suitable diagram.
3. Describe the male gametophyte in angiosperms.
4. Explain about types of ovules.
5. Differentiate monocot and dicot embryos with suitable sketch.
6. Give an elaborate account of Nodal types in dicot plants.
7. Outline the process of microgametogenesis.
8. Brief note on polyembryony.

Section C

Answer any **THREE** questions ($3 \times 10 = 30$ Marks)

9. Describe in detail about the differentiation of xylem elements.
10. Give an elaborate account on types and functions of stomata.
11. Critically analyse the recent advances in palynological studies.
12. Write a detail description on megasporogenesis and ovule development in plants.
13. Enumerate the structure and types of endosperms with suitable diagram.
