

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. (PBPB) END SEMESTER EXAMINATIONS NOVEMBER - 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. Discuss the anatomy of dicot stem.
2. Describe the nodal anatom observed in plants.
3. Explain the differences between dicot and monocot leaves.
4. Present the different types of stomata.
5. Discuss the development of male gametophyte.
6. Write a brief account on tapetum.
7. Trace the development of dicot embryo.
8. Elucidate double fertilization in angiosperms with suitable diagrams.

### Section C

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

9. Give an account on structure and functions of Xylem.
10. Explain in detailed about anomalous secondary growth in *Boerhaavia*.
11. Write detailed notes on development of microsporogenesis.
12. Describe the development of *Polygonum* type of female gametophyte.
13. Write an essay on the types of endosperm with diagram.

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