

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. END SEMESTER EXAMINATION APRIL/NOV - 2021

SEMESTER - III

20UPBCT3006 - Anatomy of Angiosperms and Embryology

Total Duration : 3 Hrs		Total Marks : 75
MCQ	: 30 Mins	MCQ : 15
Descriptive	: 2 Hrs.30 Mins	Descriptive : 60

Section B

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

1. Draw labelled diagrams and describe the structure of a primary monocot stem.
2. Illustrate and explain the types of stomata seen in dicots
3. Briefly explain microsporogenesis with suitable diagrams.
4. Draw and describe the structure of female gametophyte.
5. Write short notes on the various types of endosperm and state its functions.
6. With labelled diagrams describe the nodal types seen in dicots.
7. Describe the structure of a dorsiventral leaf with a neat labelled diagram.
8. Give an account of the various types of microspore tetrads.

Section C

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

9. Give a detailed account of the secondary growth seen in dicots with suitable schematic sketches.
10. Explain the anomalous growth seen in Ncytanthus with diagrams.
11. Illustrate and describe in detail the structure of microsporangium.
12. Compare and differentiate the Polygonum type of female gametophyte with Allium type.
13. Draw and explain the development of dicot embryo.