

23BBO401
UG PROGRAM (4 YEARS HONOURS) WITH SINGLE MAJOR
AT THE END OF FOURTH SEMESTER
BOTANY- ANATOMY AND EMBRYOLOGY OF ANGIOSPERMS
(B.Sc. HONOURS-MAJOR)
(w.e.f. Admitted Batch 2023-24)

Time: 3 Hours

Maximum: 70 Marks

Section-A

Answer any Five Questions.

5x4=20

1. Histogen Theory.
2. Applications of anatomy in plant systematics.
3. Nemece phenomenon.
4. Types of ovules in Angiosperms.
5. Causes for Polyembryony.
6. Types of Collen chyma.
7. Types of Secretory cavities.
8. Structure of Dicot seed.

Section-B

Answer All Questions.

5x10=50

9. a) Write an essay on Xylem.
(Or)
b) Give an account on Classification of meristematic tissue in plants.
10. a) Explain the epidermal tissue system in angiosperms.
(Or)
b) Give an account on anomalous secondary growth in Beet root.
11. a) Explain the structure of matured ditheous anther.
(Or)
b) Give an account on Micro sporogenesis & development of male gametophyte.
12. a) Describe the development of various types of Embryo sacs.
(Or)
b) Explain the types of pollinations & Contrivances for cross pollination.
13. a) Describe the development of monocot embryo.
(Or)
b) Define Polyembryony. Explain the types of Polyembryony.
