

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.

M.Sc. - END SEMESTER EXAMINATIONS APRIL - 2022

SEMESTER - I

08PPBCT1002 & PPB/CT/1002 - BRYOPHYTES, PTERIDOPHYTES, GYMNOSPERMS
AND PALEOBOTANY

Total Duration : 3 Hrs.

Total Marks : 60

Section A

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

1. Explain the general characters of bryophytes.
2. Describe heterospory.
3. Classify genus *Selaginella* and note its life cycle.
4. Explain life cycle of *Auracaria*.
5. Sketch the organ genera *Sphenophyllum*.
6. Relate the sporangia of *Angiopteris* and Pteris.
7. Predict the flora of Gondwana of india.
8. Differentiate Apospory and Apogamy.

Section B

Part A

Answer any **TWO** questions ($2 \times 10 = 20$ Marks)

9. Explain the sporophyte of *Funaria*.
10. Describe stellar evolution.
11. Distinguish the salient features of *Psilotum*.
12. Evaluate the life cycle of *phedra*.

Part B

Compulsory question ($1 \times 10 = 10$ Marks)

13. Appraise the study of fossils in understanding evolution.
