

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 NOVEMBER - 2022

SEMESTER - I

20PPBCT1002 - Bryophytes, Pteridophytes, Gymnosperms and Paleobotany

Total Duration : 2 Hrs 30 Mins.

Total Marks : 60

Section A

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

1. Sketch the economic importance of bryophytes.
2. Describe the internal structure of *Selaginella* stem.
3. Illustrate the reproduction of *Ephedra*.
4. Examine contributions of Birbal Sahni to Paleobotany.
5. Explain the general characteristics of bryophytes.
6. Define and discuss Apospory and Heterospory.
7. Give the structure of *Pterisrhizome*.
8. Explain the internal structure *Araucariastem*

Section B

Part A

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

9. Illustrate the lifecycle of *Funaria*.
10. Examine Stellar Evolution.
11. Give an account on general characteristics and classification by K.R.Sporne 1965.
12. Explain the fossil genera - *Cordaitea*.

Part B

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

13. Describe the internal structure and reproduction of *Psilotum*.
