

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. PBPBT - END SEMESTER EXAMINATIONS APRIL - 2024

SEMESTER - II

20UPBCT2004 - Bryophytes and Pteridophytes

Total Duration : 2 Hrs. 30 Mins.

Total Marks : 60

Section B

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

1. Define bryophytes.
2. State the features of non vascular cryptogams.
3. Describe the internal morphology of *Marchantia* thallus.
4. Explain the male & female heads of *polytrichum*.
5. Describe the characteristic features of Pteridophytes – Habitat and vascular cryptograms.
6. Compute a short notes on Vegetative and Sexual reproduction of Pteridophytes.
7. Make a neat sketch on Protostele–Haplostele.
8. Describe the Transverse section of *Lycopodium stem*.

Section C

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

9. Illustrate the Vegetative reproduction of bryophytes.
10. Explain the structure of sporophytic in *Marchantia*.
11. Organize brief notes on Dictyostele, Amphiphloic.
12. Evaluate the economic importance of Pteridophytes.
13. Describe the Internal & External Morphology of *Marsilea* Rhizome.
