

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 2025

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. Discuss the general characters of Bryophytes.
2. List the economic importance of Pteridophytes.
3. Write anote on Apogamy and Apospory.
4. Illustrate the morphology of Lycopodium.
5. Describe the sporocarp of Marchantia.
6. Explain the following terms:  
(i) Eusporangiate      (ii) Leptosporangiate
7. Describe on Homospory.
8. How does the spore dispersal takes place in Polytrichum?

### Section C

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

9. Outline the classification of Bryophytes by Reimer (1954).
10. Explain the internal structure of Marchantia thallus with a diagram.
11. Appraise on the general characteristic features of Pteridophytes.
12. Elucidate the Stelar System in Pteriophytes.
13. Describe the reproductive structure of Dicranopteris.

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