

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. List general characters of bryophytes.
2. Describe briefly alternation of generation in pteridophytes.
3. Write brief notes on heterospory.
4. Bryophytes are also called amphibians of plant kingdom. Why?
5. Describe prothallus of Lycopodium with suitable illustrations.
6. Summarise economic importance of pteridophytes.
7. Describe briefly apogamy and apospory.
8. Distinguish the aquatic and terrestrial characters of Marsilea.

Section C

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

9. Describe the general characters and Reimers (1954) system of classification of bryophytes.
10. Prepare an essay on sporophyte and methods of spore dispersal of polytrichum.
11. Explain classification of pteridophytes by Reimer (1954).
12. Write a detailed note on the stellar system in pteridophytes.
13. Give a comparative account on the morphology of Lycopodium, Dicranopteris and Marsilea. Support your answer with labelled sketches.
