

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 - NOV'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. Write the general characters of Bryophytes.
2. Explain the internal structure of T.S.of thallus in *Marchantia*.
3. Describe the alternation of generations in bryophytes.
4. Write the characteristic features of lower vascular plants (Pteridophytes).
5. Write briefly on Eusporangiate and leptosporangiate.
6. Write notes on (i) Protostele, (ii) Siphonostele and (iii) Dictyostele
7. Describe i) Advantage of heterospory, ii) Apospory in Pteridophytes iii) Apogamy in Pteridophytes
8. Describe the external and internal features of Lycopodium.

Section C

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

9. Write any essay on economic importance of Bryophytes.
10. With help of suitable diagrams, enumerate the external and internal structure of sporogonium of *Polytrichum*.
11. Describe the economic importance of Pteridophytes.
12. Describe the various types of steles in Pteridophytes.
13. Describe the structure and morphological nature of the sporocarp of *Marsilea*.
