

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. END SEMESTER EXAMINATIONS APRIL/NOV - 2021
SEMESTER - II
20UPBCT2004 - Bryophytes and Pteridophytes

Total Duration : 3 Hrs	Total Marks : 75
MCQ : 30 Mins	MCQ : 15
Descriptive : 2 Hrs.30 Mins	Descriptive : 60

Section B

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

1. Explain the characteristic features of Bryophytes.
2. Describe the internal structure of *Marchantia* thallus with a neatly labelled diagram.
3. Enlist the economic importance of Bryophytes.
4. Write short notes on (a) Gemma cup and (b) Protonema.
5. Give an outline of Reimers (1954) classification of Pteridophytes.
6. Draw and explain the characteristics of *Dicranopteris* habit.
7. Describe the L.S. of *Lycopodium* cone.
8. Write an account on apogamy and apospory in detail.

Section C

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

9. Bring out the classification of Bryophytes (Reimer, 1954) in detail.
10. Draw and explain the sporophyte of *Polytrichum* in detail.
11. Write an essay on the stelar evolution of Pteridophytes.
12. Discuss in detail the internal structure of sporocarp of *Marsilea* with a neatly labelled diagram.
13. Write an essay on the characteristic features of Pteridophytes enlisting its economic importance.