



THE AMERICAN COLLEGE, MADURAI

(An Autonomous Institution Affiliated to Madurai Kamaraj University)

Re-accredited (2nd Cycle) by NAAC with Grade "A", CGPA – 3.46 on a 4-point scale

Backlog Arrear Examination, March 2021

BOT 134

BRYOPHYTA & PTERIDOPHYTA

Max: 75 Marks

Time: 2 hours

I. Answer any FIVE of the following each not exceeding 4 pages (5x15=75)

1. Discuss the Morphological and anatomical structure of *Riccia* in detail with illustrations
2. Elaborate the sporophyte of *Funaria* with special reference to its capsule
3. Furnish the ecological significance of Bryophytes and highlight their economic importance.
4. Explore the thallus organization found in *Lycopodium*
5. Present an overview on stelar evolution observed in Pteridophytes.
6. Examine the morphological variations observed in *Adiantum*
7. Explain why heterospory is considered as precursors of seed habits
