



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

BCH 2533

Archegoniatae

Max Marks: 75

Time: 3 Hrs

I. Answer any FIVE of the following questions, each not exceeding four pages:- (5x15=75)

1. Discuss in detail the general adaptations of land plants to terrestrial habitats including morphological and anatomical characters with illustrations.
2. Explicit the morphological and stelar variations among different species of *Lycopodium* with neat diagram.
3. Elaborate on the morphology, anatomy and reproduction of *Riccia* with suitable diagram.
4. Classify pteridophytes and bring out the salient features of four divisions with examples.
5. Expound with neat sketch the morphological and anatomical characteristic features of *Pinus*.
6. Explore the paleoclimatic changes during the geological time zones mentioning the eras and periods with the table.
7. Write a detailed account on the different types of fossils with appropriate examples.
