



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 1437

PLANT BIOLOGY I

Max: 75 Marks

Time: 2 hours

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

1. Explain the four major eras of geological timescale and highlight the major evolutionary events.
2. Elaborate how organisms are grouped in five kingdom classification. Add a note on characteristic features of each group.
3. Give an outline on classification of algae based on their pigment composition. Highlight their economic importance
4. Explain the general characters of Pteridophytes. Add a note on fern morphology.
5. Describe the morphological features of *Pinus* with diagrams.
6. Highlighting merits and demerits give an outline on Bentham & Hookers classification.
7. Furnish the floral characters of Poaceae and enlist their economic importance
