



# THE AMERICAN COLLEGE, MADURAI

(An Autonomous Institution Affiliated to Madurai Kamaraj University)

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

## Backlog Arrear Examination, March 2021

**BOT 133**

**Phycology**

**Marks: 75**

**I. Answer any FIVE of the following questions each not exceeding 4 pages. (5X15=75)**

1. Present outline the classification of algae and place the different forms in groups.
2. Study thallus variation in BGA and comment on its agricultural significance.
3. Explain the different types of life cycle in Chlorophyceae.
4. Describe on various methods of reproduction in Algae.
5. What are diatoms? Explain cell structure, reproduction and list economic importance.
6. With neat labelled diagram explain triphasic life cycle of red algae.
7. Give an account on economic importance of Algae.