



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 2531

Microbiology and Phycology

Marks: 75

Time: 3 Hrs

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

1. Present two domain concepts and place only the microbes in 5 kingdoms classification
2. Explain the method by which one can isolate and culture soil microbes.
3. Compare and contrast the lytic and lysogenic cycle with suitable example.
4. Explain the different types of sexual reproduction in bacteria.
5. Compare the lifecycle pattern in Chlorophyceae and Rhodophyceae.
6. Enlist common viral diseases of human, plants and animals.
7. Present a scheme on cultivation of algae & highlight the significance of biofertilizers and biopesticides.