



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 1412

Microbial Biochemistry

Marks: 75

Time: 3 Hrs

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

1. How do you prepare the solutions as per Percentage, Molality, Molarity and Normality concentrations?
2. Give brief account on structure, properties and functions of carbohydrates
3. Classify the lipids and add note on their functions
4. Explain on essential and non essential amino acids
5. Outline the microbial protein classification and its properties
6. Describe in detail on functions of microbial enzymes
7. Write in details on occurrence and biological functions of vitamins