



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

ZOO 2623/ 3441

MICROBIOLOGY

Time: 3 hrs

Max: 75 marks

Answer any Five questions

(5X15=75)

1. Explain the contributions of Louis Pasteur in the field of Microbiology.
2. Outline the bacterial classification based on bergy's determinative bacteriology.
3. Draw a neat sketch of typical bacterial cell and explain its functions.
4. Schematically represent and explain the steps involved in waste water treatment process.
5. Elucidate the industrial production process of Penicillin G.
6. Highlight the role of *Bacillus thuringiensis* in constructing insect resistant GM crops.
7. Describe the importance and occurrence of normal microflora in human body.