



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

Course Code: MIC 1421/1531

Course Title: General Microbiology

Max Marks: 75

Time: 3 Hrs

Section: A

Answer any FIVE of the following questions

(5x15 = 75)

1. Discuss the significant contributions of Robert Koch and Louis Pasteur to the field of Microbiology. Add a note on Scope of Microbiology.
2. Illustrate the principle, instrumentation, working and applications of Fluorescent Microscope.
3. Explain the physical methods of sterilization in detail.
4. Explain in detail the ultrastructure of bacteria with diagram.
5. Discuss the different phases of a bacterial growth curve. List out the various factors affecting the growth of a microbial culture.
6. Describe the different types of media used for the growth of bacteria.
7. Classify antibacterial antibiotics with any two examples.