



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

MIM 4401/401

Principles of Microbiology

TIME:3Hrs

Max: 75 marks

ANSWER ANY FIVE QUESTIONS

(5x15= 75 marks)

1. Give a detailed account on the scope of Microbiology and add a note on the contribution of Louis Pasteur to the field of Microbiology.
2. Discuss in detail about the Selective and differential media for the *invitro* culturing of Microbes
3. Write an essay on the different types of sterilization techniques in Microbiology.
4. Explain the Economical importance of Algae.
5. Draw a neat labeled sketch and the working principle of Electron microscope .
6. Explain the various methods of pure culture maintance and storage.
7. Describe the various modern molecular techniques used for classifying bacteria.