



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 1411

Fundamentals of Industrial Microbiology

Marks: 75

Time: 3 Hrs

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

1. List out and explain the major contributions of microbes in various industries.
2. Describe the production and usage of microbial pesticides in agriculture.
3. Give an account on various stages of growth curve and measurements of industrially important bacteria.
4. Explain role of microbes in the process of dairy industry.
5. Outline the production of vaccines and highlight its significance
6. Write a detail note on harmful and beneficial microbes in food industry.
7. Present a scheme on commercial production of beer by using fermentation technology.