



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 5508

CELL CULTURE AND BIOPROCESS TECHNOLOGY

TIME:3Hrs

Max: 75 marks

ANSWER ANY FIVE QUESTIONS

(5x15= 75 marks)

1. Explain the objectives and importance of Aseptic techniques in animal cell culture.
2. Give a detailed account on the Physico – chemical properties of animal cell culture media.
3. Describe in details on the types of disaggregation of tissue for primary culturing of cells.
4. Discuss in detail about the substrate used for invitro culturing of cells.
5. Elaborate the basic structure and function of bioreactors used in animal cell culture.
6. Demonstrate the strategies involved in the production of vitamins.
7. Highlight the significance of IPR and note on its importance .