



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

MIC 3635

Plant and Animal Cell Culture

TIME:3Hrs

Max: 75 marks

ANSWER ANY FIVE QUESTIONS

(5x15= 75 marks)

1. Discuss the Constituents of Plant tissue culture media.
2. Describe the different methods of producing haploid plants.
3. What is Germplasm storage ? Describe the steps involved in Plant cell cryopreservation.
4. Explain the Physico- Chemical properties of animal cell culture media.
5. Describe in detail the characterization of cultured cells.
6. Discuss in detail the various substrates used for culturing of cells.
7. Give a detailed account on Hybridoma technology and note on its application .