



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

ZOO 292

**Immunology, Animal Cell Culture &
Recombinant DNA Technology**

Time: 3 hrs

Max: 75 marks

Answer any Five questions

(5X15=75)

1. Describe the primary & secondary lymphoid organs of immune system
2. Explore the structure of class I and class II MHC molecules
3. Schematically represent and explain the classical complement pathway.
4. Explain about the components and functions of Animal cell culture media.
5. Discuss in detail about enzymatic disaggregation of animal tissue.
6. Elaborately discuss about bacterial plasmid vectors.
7. Describe the production of recombinant insulin in *E. coli*