



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

Course Code: MIM 5504

Course Title: Immunotechnology

Max Marks: 75

Time: 3 Hrs

ANSWER ANY FIVE QUESTIONS

05 X 15 = 75

1. Explain antigen - antibody interactions with diagram.
2. Discuss the strategies involved in developing recombinant antibodies.
3. Illustrate the production of Monoclonal antibodies through hybridoma technology and add note on its therapeutic applications.
4. Describe the case history, clinical significance and immunodiagnosis of chronic granulomatous disease.
5. Define vaccine. Explain the types and preparation of vaccine.
6. Discuss the principle and application of flow cytometry in immune cell analysis.
7. Elaborate the types of ELISA with diagram.