



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

BCH 2439

Immunology

Max Marks: 75

Time: 3 Hrs.

PART A

Answer any FIVE questions each not exceeding 4 pages:

(5 x 15 = 75)

1. Demonstrate lymphoid organs in detail.
2. Explain the structure of an antibody with a neat diagram.
3. Describe the events that take place during the activation of CD4+ T cell activation with a neat diagram.
4. What is Immunity? Describe in detail the different types of specific acquired immunity.
5. Define Type-I hypersensitivity reaction. Explain the mechanism of Type-I hypersensitivity reaction in detail.
6. Explain the following:
 - a) Mast cell
 - b) Dendritic cell
 - c) Killer cell
7. Define antigen & antibody. Describe the chemical basis of antigen-antibody interaction.