



# THE AMERICAN COLLEGE, MADURAI

(An Autonomous Institution Affiliated to Madurai Kamaraj University)  
Re-accredited (2<sup>nd</sup> Cycle) by NAAC with Grade "A", CGPA – 3.46 on a 4-point scale

## Backlog Arrear Examination, March 2021

PGZ 5525

IMMUNOLOGY

Time: 3 hrs

Max: 75 marks

Answer any Five questions

(5X15=75)

1. Elaborately discuss about the innate and adaptive immune response.
2. Describe the structure and biological properties of Immunoglobulin Isotypes.
3. Write in detail about antigen-antibody interactions using agglutination reactions.
4. Explore the multigene organization and rearrangements of immunoglobulin genes.
5. Elucidate the process of antigen processing and presentation by MHC molecules.
6. What are complement components? Explain the Alternate complement pathway.
7. Discuss in detail about delayed type hypersensitivity.