



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

MIM 4410
IMMUNOLOGY OF INFECTIOUS DISEASES

Marks: 75
Time: 3 Hrs

Section A **Answer any FIVE questions** **(5×15=75)**

1. Give a detail account on immune evasion strategies of *Listeria monocytogenes*
2. Discuss in detail the evasion mechanisms adapted by *Mycobacterium tuberculosis*.
3. Give an account on auto immunity and add a note on its molecular mimicry mechanism with suitable examples.
4. Describe innate and acquired host immune responses which would arise against *Plasmodium spp.*
5. Describe the regulation of NK cell responses to pathogens with illustration.
6. Give an account on cytokine pathway with reference to viral infection with suitable illustration.
7. Elaborate on the innate immunological response against fungal infection.