



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

PGZ 5524

**IMMUNOTECHNIQUES &
TECHNOLOGY**

Time: 3 hrs

Max: 75 marks

Answer any five questions

(5X15=75)

1. Give a detailed account on different types of agglutination assays.
2. Elaborate the principle, components, fluochromes and working mechanism of flow-cytometry.
3. Explain how complement fixation test is used as an immunodiagnostic tool.
4. Narrate the various steps involved in the preparation of monoclonal antibodies by hybridoma technology
5. Describe the case history, clinical significance and immunodiagnosis of chronic granulomatous disease
6. Explain different types of ELISA with suitable illustrations.
7. Explain:
 - a) Chimeric antibodies
 - b) Reshaped humanized antibodies
 - c) Bispecific antibodies
 - d) Immunotoxins