

U/D/TY

Reg. No:



VIT
Vellore Institute of Technology

Final Assessment Test – April 2025

Course: TBIT207L - Immunology

Class NBR(s): 1293 / 1294

Time: Three Hours

Slot: A1+TA1

Max. Marks: 100

- KEEPING MOBILE PHONE/ANY ELECTRONIC GADGETS, EVEN IN 'OFF' POSITION IS TREATED AS EXAM MALPRACTICE
- DON'T WRITE ANYTHING ON THE QUESTION PAPER

Answer ALL Questions

(10 X 10 = 100 Marks)

1. Comment on a) Mast cell b) Basophil and c) Neutrophil
2. Define antigen. What are the general properties of antigen? Classify antigen with example.
3. When a virus enters the human body. What type of adaptive immune response is activated? Describe the respective Immune response. Comment on the MHC involved in this immune response.
4. What is antigen presenting cells? How do they process the antigen?
5. Explain autoimmune disorders. Does immune tolerance have a correlation with autoimmune disorders?
6. Discuss in detail on "Immune editing" in tumors.
7. What are monoclonal antibodies? How do you produce it?
8. What is transplant graft rejection? Which hypersensitivity reaction is associated with graft rejection? Justify.
- 9.a) Explain type 1 hypersensitivity reaction with example.

OR

- 9.b) What is immunodeficiency? Classify immunodeficiency with examples.
- 10.a) Comment on the following immunoglobulin with diagram
i) Largest immunoglobulin ii) Found in mucous membrane and secretions.

OR

- 10.b) Can Ag-Ab complex stimulate complement? If so, what type of complement? Explain the process.

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