

LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034



B.Sc. DEGREE EXAMINATION – ADVANCED ZOOLOGY AND BIOTECHNOLOGY

FIFTH SEMESTER – APRIL 2022

UAZ 5504 – IMMUNOLOGY

Date: 15-06-2022

Dept. No.

Max. : 100 Marks

Time: 09:00 AM - 12:00 NOON

PART- A

Answer **ALL** the Questions

(10 X 2=20 Marks)

1. What is antigenicity?
2. Comment on MHC complex.
3. Expand: APC, TCR, MALT, & GALT.
4. Name the anatomical barriers of immune system
5. Define the terms: adjuvants and super antigen.
6. Distinguish heavy chains from light chains.
7. State the importance of natural killer cell.
8. Comment on TNF.
9. What is diapedesis?
10. Draw a neat labelled diagram of T cells.

PART- B

Answer any **FOUR** of the following

(4 X 10 =40 Marks)

11. Write short notes on cytokines.
12. Briefly explain type I hypersensitivity reaction.
13. Give an account on autoimmune diseases.
14. Describe the structure and properties of T & B lymphocytes.
15. Write short notes on vaccines.
16. Briefly explain primary lymphoid organs with suitable diagram.

PART- C

Answer any **TWO** of the following

(2 X 20=40 Marks)

17. Write an essay on the different types of immunity.
18. Classify and explain the immunoglobulins with suitable diagram.
19. Write notes on a) Autoimmune diseases b) Tumor antigens
20. Elaborate the mechanism of monoclonal antibody production.

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