

LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034



B.Sc. DEGREE EXAMINATION – ADVANCED ZOOLOGY AND BIOTECHNOLOGY

FIFTH SEMESTER – NOVEMBER 2022

UAZ 5504 – IMMUNOLOGY

Date: 02-12-2022

Dept. No.

Max. : 100 Marks

Time: 09:00 AM - 12:00 NOON

PART – A

(10X2=20)

ANSWER ALL QUESTIONS.

1. Define Epitope.
2. Mention the role of Adjuvant.
3. What is the significance of BCG?
4. Write a note on Hapten.
5. Define Xenograft.
6. Comment on Hypersensitivity.
7. What are Kupffer cells?
8. Write a note on Immunosuppressive drugs.
9. Comment on interferons.
10. Write a note on tumor antigens.

PART – B

(4x10=40)

ANSWER ANY FOUR QUESTIONS.

11. Explain the hypersensitivity reactions and classifications
12. Write an account on factors affecting immunogenicity.
13. Give an account on various types of graft rejection mechanism.
14. Discuss in detail Hybridoma technology and its application.
15. Explain the mechanism of antigen processing and presentation by Macrophages.
16. Explain in detail MHC. Add note on the types and functions of MHC.

PART - C

(2x20=40)

ANSWER ANY TWO QUESTIONS.

17. Describe the structure and functions of immunoglobulins.
18. Write an account on cell mediated immunity.
19. Write a brief account on autoimmune disorders
20. Describe in detail account on types and vaccine schedule for children.

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