



LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

B.Sc. DEGREE EXAMINATION – ADVANCED ZOOLOGY AND BIOTECHNOLOGY

FIFTH SEMESTER – APRIL 2017

AZ 5517- IMMUNOLOGY

Date: 20-04-2017
Time: 01:00-04:00

Dept. No.

Max. : 100 Marks

PART-A

Answer All the questions:(10x2=20)

1. Define NK cells.
2. What is Bursa of Fabricius?
3. Explain HLA antigen.
4. Write a note on Antibody engineering.
5. Define Cytokines.
6. Differentiate Autograft from Xenograft.
7. What is Hypersensitivity?
8. Expand IDDM.
9. Which is the causative agent for Yellow fever?
10. What is Graft rejection?

PART – B

Answer any FOUR questions:

(4x10=40)

11. Explain different types of immunity.
12. Give a brief account on Thymus and Lymph nodes.
13. Enlist the characteristics of B cell epitopes.
14. Explain the structure and functions of antibodies.
15. Comment on hypersensitivity.
16. Describe any four types of autoimmune diseases.
17. Write an account on immunotherapy for Tumors.
18. Write an account on AIDS.

PART – C

Answer any TWO questions:

(2x20=40)

19. Write a detailed account on cells and organelles of immune system.
20. Explain the transplantation immunology.
21. Describe monoclonal antibodies and their applications.
22. Write an essay on immunization schedule for children.
