

LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034



B.Sc. DEGREE EXAMINATION – ADVANCED ZOOLOGY AND BIOTECHNOLOGY

FIFTH SEMESTER – APRIL 2016

AZ 5517 – IMMUNOLOGY

Date: 29-04-2016

Dept. No.

Max. : 100 Marks

Time: 09:00-12:00

SECTION – A

Answer **ALL** the questions

(10x2=20)

1. Haematopoiesis
2. Kupffer cells
3. HLA antigens
4. Antibody engineering
5. NK cells
6. Macrophages
7. Hashimoto's thyroiditis
8. Good pasture's syndrome
9. Graft rejection
10. Immunization

SECTION – B

Answer any **FOUR** of the following

(4x10=40)

11. Give short note on Innate and adaptive immunity.
12. Give brief note on Thymus & bone marrow.
13. Describe the structure and functions of antibody.
14. Give short notes on cytokines properties and functions of IL-1 to IL-10.
15. Describe the Immunity in relation to tumour.
16. Give a brief note on prevention of postnatal diseases.
17. Give brief note on T and B lymphocytes.
18. Write a paragraph on MHC.

SECTION – C

Answer any **TWO** of the following

(2x20=40)

19. Describe the monoclonal antibodies and their applications.
20. Give an account on hypersensitivity.
21. Explain the transplantation immunology.
22. Describe the immunity against viral and bacterial infection.
