

LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034



B.Sc. DEGREE EXAMINATION – ADVANCED ZOOLOGY AND BIOTECHNOLOGY

FIFTH SEMESTER – NOVEMBER 2016

AZ 5517 – IMMUNOLOGY

Date: 03-11-2016

Dept. No.

Max. : 100 Marks

Time: 09:00-12:00

PART – A

Answer **ALL** the questions:

(10x2=20 marks)

Define / Explain

1. What are Kupffer cells?
2. Write a note on Peyer's patches.
3. What is MHC?
4. Comment on T cell epitope.
5. Define Cytokines.
6. What are NK cells?
7. Comment on Tumor antigens.
8. Write a note on Immunotherapy.
9. What is the causative agent for Measles?
10. Comment on Diphtheria.

PART – B

Answer any **FOUR** of the following:

(4x10=40 marks)

11. Describe the various types of immune organs.
12. Give brief note on T and B lymphocytes.
13. Explain the structure and properties of antibody.
14. Describe the cell mediated immunity.
15. Explain the different types of grafts.
16. Write the immunity against parasitic infections.

PART – C

Answer any **TWO** of the following:

(2x20=40 marks)

17. Give an account on adaptive immunity.
18. Explain the different types of hypersensitivity.
19. Describe the different types of autoimmune diseases.
20. Give an account on vaccine.

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