



LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

M.Sc. DEGREE EXAMINATION – ZOOLOGY

SECOND SEMESTER – APRIL 2014

ZO 2819 - IMMUNOLOGY

Date : 03/04/2014

Dept. No.

Max. : 100 Marks

Time : 09:00-12:00

Part - A

I Answer **ALL** the questions

(2×10 = 20)

1. Expand HPV, BCR, HIV and IgA
2. What are phagocytes?
3. Distinguish epitope from paratope.
4. What is an endogenous antigen?
5. Draw and label the immunoglobulin.
6. Write about Coomb's test.
7. Elaborate Chronic granulomatous diseases.
8. Comment on Digeorge syndrome.
9. Explain Reticular dysgenesis.
10. Relate Somatic variation theory to immune system.

Part B

Answer any four questions.

(4×10=40)

11. Give an account on Cytokines, Chemokines and their receptors.
12. Write a paragraph on T-cell receptors.
13. Write notes on Response of immune system.
14. Explain in detail about antigen processing and presentation.
15. Distinguish acquired from innate immunity.
16. Explain about the organs of Immune system.

Part C

(2×20=40)

Answer any two questions.

17. a) Classify the isotopes of immunoglobulin.
b) Explain in detail the structure and function of immunoglobulin.
18. a) Expand MHC.
b) Elaborate in detail about MHC.
19. a) What is an Autoimmunity?
b) Write an account on Autoimmunity.
20. a) What are Vaccines?
b) Give an account of different human vaccines.
