



LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

M.Sc. DEGREE EXAMINATION – ZOOLOGY

SECOND SEMESTER – APRIL 2016

ZO 2819 - IMMUNOLOGY

Date: 25-04-2016
Time: 01:00-04:00

Dept. No.

Max. : 100 Marks

Part-A

Answer ALL the questions

(10×2=20 Marks)

1. What are interferons or cytokines?
2. Enlist the different types of macrophages.
3. Expand MHC. What is the immunological importance of MHC?
4. How does the bone marrow serve as a primary lymphoid organ?
5. What is the role of IgE in allergic reactions?
6. Expand GTP, MALT, IDDM and FADD.
7. What are toxoids? Give an example.
8. Mention the functions of granulocytes.
9. Enlist the function of the complement system.
10. What is meant by serum therapy?

Part-B

Answer any FOUR questions

(4×10=40 Marks)

11. Write a note on the structure of T- cell receptor and illustrate the molecules involved in T-cell activation.
12. Describe the types of immunosuppressive therapy for organ transplantation.
13. Explain how tissue typing for organ transplantation is done.
14. Explain the Rheumatoid arthritis.
15. Discuss humoral and cell – mediated immunity.
16. Discuss innate and adaptive immunity to viruses.

Part-C

Answer any TWO questions

(2×20=40 Marks)

17. Describe the mechanism of type I hypersensitivity and give suitable examples.
18. Discuss any four type II hypersensitivity diseases.
19. Write notes on any two primary immunodeficiency disorders.
20. a) What is autoimmunity? b) Explain any two autoimmune disorders.
