



LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

B.Sc. DEGREE EXAMINATION – ZOOLOGY

FIFTH SEMESTER – APRIL 2016

ZO 5401 - IMMUNOLOGY

Date: 25-04-2016
Time: 09:00-12:00

Dept. No.

Max. : 100 Marks

PART-A

Answer **ALL** the questions

(10 × 2=20 Marks)

1. What are the functions of dendritic cell?
2. Define the term “apoptosis”
3. Comment on interferons and interleukins.
4. Expand: MHC, HLA, TCR and APC.
5. Write the importance of CD₄ and CD₈.
6. What is Peyer’s patches cells?
7. Distinguish epitope from paratop.
8. Define the term opsonization.
9. What is attenuated vaccine?
10. Draw the neat labeled diagram of IgM.

PART-B

Answer any **FOUR**

(4 × 10 =40 Marks)

11. Write briefly on primary lymphoid organs with suitable diagram.
12. Discuss the different cells of the immune system with suitable diagram.
13. Write notes on innate and acquired immunity.
14. Describe the structure and functions of immunoglobulin.
15. What is autoimmunity? Write notes on rheumatoid arthritis.
16. Give an account on the immunity against the viral infection.

PART-C

Answer any **TWO**

(2 × 20=40 Marks)

17. Describe the structure and functions of immunoglobulins.
18. Give a detailed account on autoimmune diseases.
19. Discuss the various types of hypersensitivity reaction.
20. Write an essay on vaccines and add a note on immunization schedule.
