 LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

**M.Sc.** DEGREE EXAMINATION - **ZOOLOGY**

FOURTH SEMESTER – APRIL 2011

# ZO 4954 - IMMUNOLOGY

Date : 11-04-2011 Dept. No. Max. : 100 Marks

Time : 1:00 - 4:00

**PART - A 2 x 10 = 20 Marks**

I Answer **ALL** the questions.

1. What are neutrophils?

2. Comment on spleen

3. Differentiate passive immunity from active immunity.

4. What is the significance of BCG?

5. Explain the significance of MMR.

6. Comment on HAT.

7. What is innate immunity?

8. Define immune response

9. What is adenoid tissue?

10. What are lysosomes?

**PART – B 4 x 10 = 40 Marks**

II Answer any **FOUR** of the following

11. Give the role of B-lymphocyte and T-lymphocyte.

12. Write notes on preparation of vaccines.

13. Explain bacterial infections and their immunity.

14 Explain monoclonal antibody production.

15 Write notes on protozoan infections and their immunity.

16 Describe different immunoglobulin.

**PART – C 2 x 20 = 40 Marks**

III Answer any **TWO** of the following

17. Explain in detail the process of hypersensitivity.

18. Write an essay on graft rejections.

19. Discuss about AIDS and its vaccine status.

20. Elaborate the types of cells formed by haemopoisis.

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