

**LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034**

M.Sc. DEGREE EXAMINATION – ZOOLOGY

FOURTH SEMESTER – APRIL 2010

**ZO 4954 - IMMUNOLOGY**

Date & Time: 22/04/2010 / 9:00 - 12:00 Dept. No.

Max. : 100 Marks

**PART - A**

Answer **ALL** the questions.

**10 x 2 = 20 Marks**

1. Mention the significance of spleen.
2. What are monocytes?
3. What is PEG?
4. Comment on immune response.
5. What is meant by HAT medium?
6. Differentiate active from passive immunity?
7. Write a note on macrophages?
8. Comment on Peyer's patches?
9. What are the types of interferons?
10. Comment on bone marrow.

**PART – B**

Answer any **FOUR** of the following

**4 x 10 = 40 Marks**

11. Write notes on hyper sensitivity?
12. Write notes on lymphoid organs of man?
13. Elaborate immunity of man against protozoan infections.
14. Write notes on bacterial infections in man.
15. Write notes on monoclonal antibodies.
16. Explain haemopoiesis.

**PART – C**

Answer any **TWO** of the following

**2 x 20 = 40 Marks**

17. Classify the types of immunoglobulins.
18. Write notes on HIV and related immunity processes.
19. Describe the types of graft rejections?
20. Write an essay on vaccines and schedule of vaccine?

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