 LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

 **M.Sc.** DEGREE EXAMINATION - **MEDICAL LAB. TECHNOLOGY**

SECOND SEMESTER – APRIL 2011

# ML 2811 - IMMUNOLOGY

 Date : 05-04-2011 Dept. No. Max. : 100 Marks

 Time : 1:00 - 4:00

Section A

Answer **ALL** the questions (2×10 = 20 Marks)

1. What are acute phase proteins? Give one example.
2. Differentiate active from passive acquired immunity.
3. Mention the essential factors for antigenicity.
4. Give the functions of MHC.
5. How can graft rejection be prevented?
6. Define affinity.
7. What is the causative factor of Chediak – Higasi disease.
8. What are Kupfer cells?
9. List the cells of lymphoid and myeloid lineage.
10. What is myasthenia gravis?

Section B

Answer any **FOUR** of the following (10×4 = 40 Marks)

1. Explain the immunological functions of spleen.
2. Write notes on the structure and biological properties of IgD and IgM.
3. Give an account on the production of monoclonal antibodies.
4. Enumerate immune response to tumours.
5. Explain Rheumatoid arthiritis
6. Name the different antigen antibody interactions? Explain Immunofluorescence.

Section C

Answer any **TWO** of the following (20×2 = 40 Marks)

1. Explain the process of B cell differentiation. Add a note on cell surface markers.
2. Discuss complement activation pathways.
3. Write in detail on the causative factors, mechanism and symptoms of anaphylaxis.
4. Tabulate the vaccination schedule in children and adults.

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