



LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

M.Sc. DEGREE EXAMINATION - MEDICAL LAB. TECHNOLOGY

SECOND SEMESTER – APRIL 2013

ML 2815/2811 - IMMUNOLOGY

Date : 29/04/2013
Time : 9:00 - 12:00

Dept. No.

Max. : 100 Marks

SECTION A

Answer **ALL** the questions

(10 x 2 = 20 Marks)

1. What is adjuvant?
2. Explain acquired immunity.
3. Expand: MHC, HLA, TCR and APC.
4. Distinguish Fab from Fc fragment.
5. What is antigenic drift and antigenic shift?
6. What is flow cytometry?
7. Define tissue typing.
8. What is autoimmunity?
9. Define immunoelectrophoresis.
10. What is vaccinotherapy?

SECTION B

Answer any **FOUR** of the following

(4 x 10 = 40 Marks)

11. Write briefly on cell mediated immunity with suitable diagram.
12. Give an account on the structure and functions of IgM and IgA.
13. Write short notes on hypersensitivity.
14. Describe the mechanism of graft rejection.
15. Write short notes on immunization.
16. Give an account on immunoelectron microscopy.

SECTION C

Answer any **TWO** of the following

(2 x 20 = 40 Marks)

17. Explain the mechanism and immunological importance of complement system.
18. Give a detailed account on monoclonal antibody production and add a note on its applications.
19. Give an account on enzyme linked immunosorbant assay.
20. Elaborate agglutination tests.
