



Code No. : 617

FACULTY OF SCIENCE
M.Sc. II Semester Examination, April/May 2013
MICROBIOLOGY (Paper – II)
Immunology

Time : 3 Hours]

[Max. Marks : 80

- Note :** 1) Answer *all* questions.
2) Section **A** questions carry 4 marks and Section **B** questions carry 12 marks each.

SECTION – A **(8×4=32 Marks)**
(Short Answer Type)

1. Ig M Antibody
2. Autoimmune disease
3. DNA Vaccines
4. Herd Immunity
5. Hemolytic disease
6. HLA typing
7. Immunofluorescence
8. Immune Surveillance.

SECTION – B **(4×12=48 Marks)**
(Essay Type)

9. a) Classify antigens and explain the factors that determine antigenicity.

OR

- b) Explain briefly the cellular interactions in immune response.



10. a) Write an account on acquired immunity.

OR

b) Describe the properties of interferon, its production and assay.

11. a) Classify hypersensitivity reactions. Describe type I hypersensitivity reaction.

OR

b) Write an account on the genetic control of immune response.

12. a) Discuss briefly the classical pathway of complement activation. Enumerate the biological effects of complement.

OR

b) Explain tumor immunity in humans. Add a note on tumor prophylaxis.