

D 13060

Name.....

Reg. No.....

THIRD SEMESTER M.Sc. DEGREE EXAMINATION, FEBRUARY 2006

General Biotechnology

GBT 214—IMMUNOLOGY

Time : Three Hours

Maximum : 80 Marks

Section A

Answer any two questions.

1. "By defining and defending the self immune system makes life possible. Malfunctions causes illness and death". Substantiate this statement.
2. 'Humoral Immunity results in the production of antibodies'. Justify.
3. Write an account of AIDS and other immunodeficiencies.

(2 x 10 = 20 marks)

Section B

Answer any ten questions.

4. How do innate immunity differs from acquired immunity ?
5. Write short notes on 'phagocytosis'.
6. What do you mean by 'Immunologic Tolerance' ?
7. Draw a labelled diagram of lymph node and explain.
8. What are antigen, immunogen, hapton and superantigen.
9. Write an account on different types of Immunoglobulins.
10. "Antigen recognition is MHC restricted". Justify.
11. What do you mean by TCR complex ? Explain.
12. Write notes on Allergy.
13. Write an account of HLA in relation to Transplantation.
14. What will happen when a self is being recognized as nonself ? Explain.
15. What do you mean by hybridoma technology ? Explain.

(10 x 5 = 50 marks)

Section C

Answer all questions.

16. Name the immunoglobulin type that can cross placenta.
17. What are antiidiotypic antibodies ?
18. Name two rDNA vaccines available in India.
19. What are complements ?
20. List various types of Immunoreactive cells.

(5 x 2 = 10 marks)