

35123

M.Sc. DEGREE EXAMINATION, NOVEMBER 2017.

THIRD SEMESTER

Genetics and Genomics

Paper III — IMMUNOLOGY AND IMMUNOGENETICS

Time : Three hours

Maximum : 75 marks

(No additional sheet will be supplied)

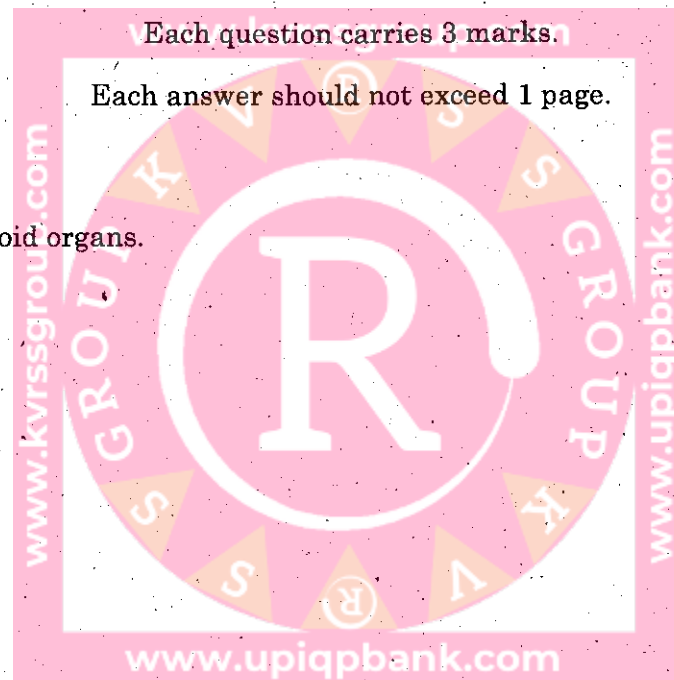
PART A — (5 × 3 = 15 marks)

Answer any FIVE questions.

Each question carries 3 marks.

Each answer should not exceed 1 page.

1. Innate immunity
2. Secondary lymphoid organs.
3. Super antigens.
4. Neutralisation.
5. Plasma cells.
6. CTL.
7. Haemophilia.
8. SCID.



PART B — (4 × 15 = 60 marks)

Answer ALL questions.

Each question carries 15 marks.

Each answer should not exceed 6 pages.

9. Write a detailed account on secondary lymphoid organs and their role in immunization.

Or

10. Give a detailed account on cells of the immune system.

11. Explain Antigenicity and add a note on different types of antigens.

Or

12. Explain antigen and antibody interactions and add a note on any two.

13. Write about cell mediated and humoral immunity.

Or

14. Write about different complement pathways.

15. Give a detailed account on acquired immunodeficiency diseases.

Or

16. Explain organization and rearrangement of BCR and TCR genes.

