

45104

M.Sc. DEGREE EXAMINATION, MARCH/APRIL 2020.

FOURTH SEMESTER

Zoology

Paper IV — IMMUNOLOGY

Time : Three hours

Maximum : 75 marks

(No additional sheet will be supplied)

PART A — ($5 \times 3 = 15$ marks)

Answer any FIVE questions.

Each question carries 3 marks.

Each answer should not exceed 1 page.

1. Innate Immunity
2. Haptens
3. Phagocytosis
4. Interferons
5. Hypersensitivity
6. Agglutination
7. Anemia
8. Digeorge's syndrome.

PART B — ($4 \times 15 = 60$ marks)

Answer ALL questions.

Each question carries 15 marks.

Each answer should not exceed 6 pages.

9. Write an essay on lymphoid system and the importance of lymphoid system on immunity.

Or

10. Explain the acquired immunity in human beings and its role against diseases.
11. Describe the classical and alternate pathways against inflammation.

Or

12. Write an essay on cell mediated immunity.

13. Describe antigen and antibody interactions during pathogenesis.

Or

14. What is hypersensitivity? Write different types in hypersensitivity with detailed classification.

15. What is autoimmune disorder? Describe single organ autoimmune diseases.

Or

16. What is immuno deficiency disease? Write mechanism of immunosuppression by taking HIV as an example.

