

45022

M.Sc. DEGREE EXAMINATION, MARCH/APRIL 2019.

FOURTH SEMESTER

Biochemistry

Paper II — IMMUNOLOGY

Time : Three hours

Maximum : 75 marks

(No additional sheet will be supplied)

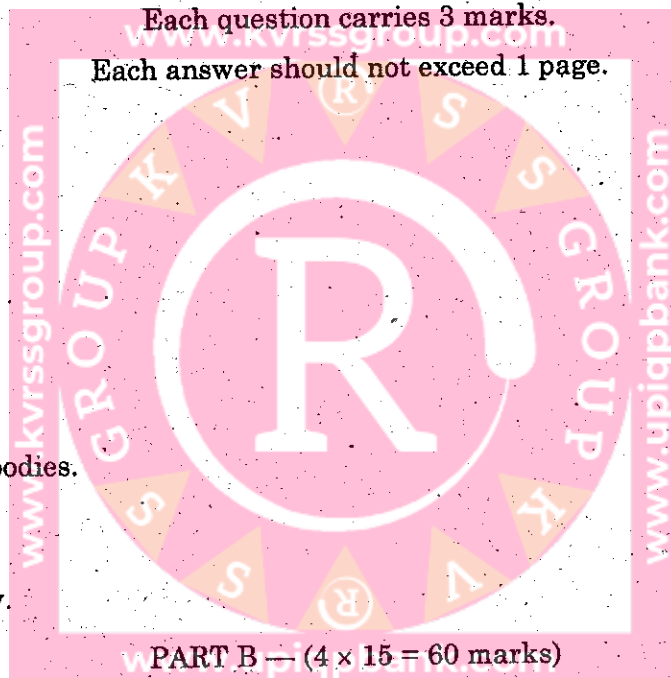
PART A — (5 × 3 = 15 marks)

Answer any FIVE questions.

Each question carries 3 marks.

Each answer should not exceed 1 page.

1. Haptens.
2. Epitopes.
3. Active immunity.
4. T-cell.
5. Principle in RIA.
6. Monoclonal antibodies.
7. AIDS.
8. Hyper sensitivity.



PART B — (4 × 15 = 60 marks)

Answer ALL questions.

Each question carries 15 marks.

Each answer should not exceed 6 pages.

9. What are lymphoid organs and explain their organization in immune system?
Or
10. Define immunity and explain the different types of immunity.
11. Write an essay on complement fixation tests.
Or
12. What is complement system and distinguish alternate pathway from classical regarding complement activation?

13. How monoclonal antibodies are produced through Hybridoma technology?

Or

14. What type of immunity is responsible for graft rejection? Discuss in detail.

15. Explain the basic concept and types of hypersensitivity.

Or

16. What is auto immune disease and discuss the types and symptoms of the disease?

