

2016 Scheme

QP Code: 411020

Reg. No.....

Fourth Year B.Sc. Medical Biochemistry Degree Supplementary Examinations July 2025

Paper XII - Immunology and Immunochemistry

Time: 3 Hours

Total Marks: 100

- Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space
- Answer all parts of a single question together • Leave sufficient space between answers
- Draw table/diagrams/flow charts wherever necessary

Essays

(2x15=30)

1. Define infection. Explain in detail about source and method of transmission of infection.
2. What is ABO blood grouping system. Discuss the importance of ABO grouping in blood transfusion.

Brief Essays

(2x10=20)

3. Types of T cells and their functions
4. Discuss the different ways of complement activation.

Short answers

(6x5=30)

5. Apoptosis
6. Mechanism of phagocytosis
7. Oncogenes and Tumour suppressor genes
8. Immunoelectrophoresis
9. Humoral and cell mediated immune response
10. What is the immunological defect in multiple myeloma. How is the serum electrophoretogram in patients with myeloma different from that of healthy individuals

Comment on

(10x2=20)

11. Kappa and Lambda chains`
12. Laboratory findings in haemolytic disease of new born
13. Hapten and Carrier
14. Communicable diseases
15. Recombinant vaccine
16. HLA typing
17. Agglutination and precipitation reaction
18. Immunotherapy
19. Anaphylaxis
20. Functions of Immunoglobulin A
