

QP Code: 312019

Reg. No.....

**Third Year B.Sc. Medical Microbiology Regular/Supplementary
Examinations February 2025**

Immunology, Immuno Chemistry and Serology I

(2016 Scheme)

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*

Essay

(2x15=30)

1. Define Innate immunity. Describe in detail about mechanisms of innate immunity.
2. Enumerate the different types of immune responses. Describe in detail cell mediated immune response

Short Essay

(2x10=20)

3. What is the principle of ELISA. Enumerate the different types of ELISA with application.
4. Enumerate Antigen Antibody reactions. Describe precipitation reaction in detail.

Short Answers

(6x5=30)

5. Acute phase reactants.
6. Differentiate between active and passive immunity.
7. Haptens
8. Enumerate five complement deficiencies with associated syndromes.
9. Different types of T cells and their functions.
10. Exotoxins.

Comment on

(10x2=20)

11. Epitope.
12. Adoptive immunity.
13. Neutralisation Test.
14. Tube agglutination test.
15. HLA typing and its application.
16. IgM immunoglobulin.
17. Immunosuppressive agents.
18. Transfer Factor.
19. Maintenance of vaccines.
20. Sequestered antigen.
