

QP Code: 312019

Reg. No.....

**Third Year B.Sc. Medical Microbiology Regular/Supplementary
Examinations February 2024
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 antigen-antibody reactions. Describe in detail about ELISA with types and examples for each.
2. Define immunity. Classify immunity. Describe in detail about mechanism of innate immunity.

Short Essay

(2x10=20)

3. Define complement. Classify complement pathway. Describe in detail about alternate complement pathway.
4. Describe in detail the mechanism and difference between primary and secondary immune response.

Short Answers

(6x5=30)

5. Structure of Immunoglobulins.
6. Interferons.
7. Self and non-self-antigens.
8. Production of B cells.
9. Difference between T cells and B cells.
10. Major histocompatibility complex.

Comment on

(10x2=20)

11. Super antigens.
12. Lysozymes.
13. Secondary lymphoid organs.
14. Complement disorders.
15. Postzone phenomenon.
16. Positive selection.
17. Null cells.
18. Clonal selection theory.
19. Sources of infection.
20. Leukocyte.
