

QP Code: 312019

Reg. No.....

**Third Year B.Sc. Medical Microbiology Regular/Supplementary
Examinations April 2022**

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. Describe alternative complement activation pathway
2. Define immunity and describe acquired immunity

Short Essay

(2x10=20)

3. Cell mediated immune response
4. T-lymphocytes development and functions

Short Answers

(6x5=30)

5. Central lymphoid organs
6. Neutralization test
7. Cytokines
8. Immunoglobulin M
9. Local immunity
10. Properties of good vaccine

Comment on

(10x2=20)

11. Epitope
12. Immunoglobulin A
13. Herd Immunity
14. B cells
15. Mechanism of precipitation
16. List the sources of infection
17. Sequestered antigen
18. Pandemic disease
19. Immunological tolerance
20. Transfer factor
