

QP Code: 312019

Reg. No.....

**Third Year B.Sc. Medical Microbiology Regular/Supplementary
Examinations April 2023
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. Draw and label the structure of antibody molecule. List the characters of each immunoglobulin type in detail
2. Define infection. Describe the sources and methods of transmission of infection

Short Essay

(2x10=20)

3. Define immunity, describe about innate immunity
4. Describe classical complement pathway

Short Answers

(6x5=30)

5. Monoclonal antibodies
6. Live attenuated vaccine
7. Agglutination reaction
8. Abnormal Immunoglobulin
9. Phagocytic cells
10. Immunofluorescence

Comment on

(10x2=20)

11. Iatrogenic infection
12. Dendritic cells
13. Paratope
14. Exotoxins
15. Epidemic Disease
16. Null cells
17. T- Lymphocytes
18. Macrophages
19. Local immunity
20. Immunoglobulin E
