

QP Code: 312019

Reg. No.....

Third Year B.Sc. Medical Microbiology Supplementary Examinations

October 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. Mention the properties of complement system and describe the classical complement pathway.
2. Write down the principle of ELISA. What are the different types and its applications.

Short Essay

(2x10=20)

3. Enumerate the types of immune response and explain humoral immune response.
4. What is the difference between agglutination reaction and precipitation reactions. Briefly describe the various precipitation reactions.

Short Answers

(6x5=30)

5. MHC
6. Cell mediated immunity
7. Western blot technique
8. T Cell receptors
9. Biological functions mediated by complement
10. Clonal selection theory

Comment on

(10x2=20)

11. IgM
12. Applications of HLA typing
13. Difference between exotoxin and endotoxin
14. Acute phase protein
15. Adjuvant
16. Heterophile agglutination
17. CLIA
18. Immunofluorescence
19. Co- agglutination test
20. Phagocytic cells
