

2016 Scheme

QP Code: 411020

Reg. No.....

Fourth Year B.Sc. Medical Biochemistry Degree Regular/Supplementary Examinations January 2024

Paper XII - Immunology and Immunochemistry

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

Essays

(2x15=30)

1. Discuss the sources, methods of transmission and the routes of infection.
2. What are monoclonal antibodies. How are they produced. Discuss the uses of monoclonal antibodies.

Brief Essays

(2x10=20)

3. Explain histocompatibility. Briefly describe the classification of MHC.
4. Cell cycle.

Short answers

(6x5=30)

5. Structure and functions of IgG
6. RIA
7. Haemolytic disease of new born
8. Autoimmunity
9. Mutagens
10. Oncosuppressor genes

Comment on

(10x2=20)

11. Enzymes used in ELISA
12. IgA
13. Sandwich ELISA
14. Kappa chain
15. T cells
16. Neutralisation
17. Antigen presenting cells
18. Precipitation reactions
19. Complements
20. CD4 count
