

2016 Scheme

QP Code: 411020

Reg. No.....

Fourth Year B.Sc. Medical Biochemistry Degree Supplementary Examinations September 2021

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 laboratory techniques based on antigen – antibody reaction
2. Draw basic immunoglobulin structure. Give a note on different classes of immunoglobulins and the importance of each class.

Brief Essays

(2x10=20)

3. Describe blood grouping based on ABO and Rh blood group system. Write a note on Rh incompatibility and its detection.
4. Define mutagens and discuss different types of mutagens

Short answers

(6x5=30)

5. Secondary lymphoid organs
6. Agglutination reaction
7. Types of vaccines with one example for each
8. Role of T cells in immune system
9. Functions of Major Histocompatibility Complex (MHC) in the immune system
10. Radio immuno assay

Comment on

(10x2=20)

11. Passive immunisation
12. Type I hypersensitivity reaction
13. Tumour markers
14. Disorders of phagocytosis
15. Applications of immunodiffusion techniques
16. Importance of check points in cell cycle
17. Routes of infection
18. Determinants of antigenicity
19. Importance of monoclonal antibodies
20. Types of adaptive immunity
