

2016 Scheme

QP Code: 412019

Reg. No.....

Fourth Year B.Sc. Medical Microbiology Degree Regular/Supplementary Examinations January 2025

Paper XII – Immunology, Immunochemistry and Serology - II

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. Classify transplants. What are the mechanisms of prevention of graft rejection.
2. Classify primary immunodeficiency diseases. Discuss diseases due to disorders of phagocytosis.

Brief Essays

(2x10=20)

3. Discuss the specific immune responses in HIV.
4. Immune complex mediated hypersensitivity reaction.

Short Answers

(6x5=30)

5. Methods of detection of Type I hypersensitivity reaction.
6. Mechanism of graft rejection.
7. Immune response against tumour cells.
8. Immunological tolerance.
9. Cytokines and HIV infection.
10. ABO blood group system.

Comment on

(10x2=20)

11. Diagnosis of HIV in window period
12. Tuberculin Test.
13. Non immunological complications of transfusion reactions.
14. Cancer vaccines.
15. Anti-tumour antibodies.
16. Monoclonal antibodies approved for treatment of cancers.
17. Treatment of type I hypersensitivity reaction.
18. Rheumatoid arthritis
19. Wiskott – Aldrich syndrome
20. Laboratory diagnosis of SLE
