

2016 Scheme

QP Code: 412019

Reg. No.....

Fourth Year B.Sc. Medical Microbiology Degree Regular/Supplementary Examinations January 2026

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. Write in detail about Immunodeficiency diseases with suitable examples.
2. Classify hypersensitivity reactions and describe in detail about mechanism of delayed type hypersensitivity.

Brief Essays

(2x10=20)

3. Write in detail about autoimmunity, mechanism, classification and pathogenesis of autoimmune diseases.
4. Write in detail about immunology and classification of transplantation.

Short Answers

(6x5=30)

5. Define allograft and xenograft.
6. What is graft versus host diseases (GVHD).
7. List any five defense mechanisms against bacterial infections.
8. Write a note on opportunistic infections associated with HIV infection.
9. Detail about ABO blood group system.
10. Write about blood transfusion complications.

Comment on

(10x2=20)

11. Herd immunity.
12. Haptens.
13. Give two examples of primary immunodeficiency diseases.
14. Define autoimmunity.
15. Major histocompatibility complex (MHC).
16. Define RH incompatibility.
17. Mention any two modes of transmission of HIV.
18. ELISA.
19. What are tumor antigens.
20. Why do secondary immunodeficiency occur more commonly than primary ones.

CORRECTION / NO-CORRECTION FILE
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QPCODE: 412019

Dated: 21-01-2026

Question No. 4

Modified as "Write in detail about immunology of transplantation and classification of transplants."

Corrections/Modifications/Replacement of Questions if any shall be made available to all students. Take the print out of the Correction File in such cases and distribute to all students.

(Sd/-)

CONTROLLER OF EXAMINATIONS