

# 2014 Scheme

QP Code: 402019

Reg. No.....

## Fourth Year B.Sc. Medical Microbiology Degree Regular/Supplementary Examinations February 2023 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. Define hypersensitivity. Classify hypersensitivity reactions. Add a note on immune complex mediated reaction.
2. What are the key immunological changes during course of HIV infection

### Short Essays

(2x10=20)

3. List out the tumour antigens and functions.
4. Discuss in detail immunity against fungal infections.

### Short Notes

(6x5=30)

5. Importance of blood component therapy
6. Urticaria
7. Coomb's test
8. Minor blood groups
9. Classification of transplants
10. Cellular immunodeficiencies

### Answer Briefly

(10x2=20)

11. Major histocompatibility complex
12. Macrophages
13. Mucosa associated lymphoid tissue
14. T helper (Th) cells
15. Cytokines
16. Immunological tolerance
17. Ataxia telangiectasia
18. Histamine
19. Shwartzman reaction
20. Myasthenia gravis

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