

# 2014 Scheme

QP Code: 402019

Reg. No.....

## Fourth Year B.Sc. Medical Microbiology Degree Supplementary Examinations August 2022 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 immunodeficiency disorders. Write in detail cellular immunodeficiency disorders.
2. Describe the mechanism of cell mediated immunity. Write in detail role of various cytokines against viral infections.

### Short Essays

(2x10=20)

3. Define and classify hypersensitivity. Write in detail type I hypersensitivity reactions.
4. Write in detail immunity against bacterial infections.

### Short Notes

(6x5=30)

5. Atopic dermatitis.
6. Graft versus host reaction
7. ABO blood group system
8. HLA typing
9. Medical importance of blood transfusion.
10. Immunological surveillance

### Answer Briefly

(10x2=20)

11. DiGeorge's syndrome
12. Primary mediators of anaphylaxis
13. Grave's disease
14. Allograft
15. Tumour antigens
16. H antigen
17. NK cells
18. Primary lymphoid organs
19. CD8 cells
20. MHC

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