

# 2016 Scheme

QP Code: 412019

Reg. No.....

## Fourth Year B.Sc. Medical Microbiology Degree Regular/Supplementary Examinations February 2024

### 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. Define autoimmunity. Describe in detail various mechanisms of autoimmunity
2. Define immunodeficiency. Describe causes of primary immunodeficiency with examples.

#### Brief Essays

(2x10=20)

3. Describe the Immunological basis of transplantation. Add a note on factors involved in allograft survival and rejection
4. Describe the immunity to viral infections with examples

#### Short Answers

(6x5=30)

5. Rheumatoid arthritis
6. HLA typing
7. Immunologic abnormalities in HIV infection
8. Type II hypersensitivity reactions
9. Rh incompatibility in newborn
10. Lab diagnosis of Systemic Lupus Erythematosus (SLE)

#### Comment on

(10x2=20)

11. Anaphylaxis
12. Immunosuppressive agents
13. Tumour antigens
14. Graves' disease
15. Cancer vaccines
16. Mediators of Type 1 hypersensitivity reactions
17. Bombay blood group
18. Tuberculin test
19. Autoimmune hemolytic anaemia
20. Monoclonal antibodies for cancer therapy

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