

QP Code: 402019

Reg. No.....

**Fourth Year B.Sc. Medical Microbiology Degree Supplementary
Examinations March 2019**

Immunology, Immunochemistry and Serology II

Time: 3 Hours

Total Marks: 100

- **Answer all questions**
- **Draw diagrams wherever necessary**

Essays

(2x15=30)

1. Classify immediate hypersensitivity reactions. Describe in detail type 1 hypersensitivity reactions
2. Define transplantation. Classify transplants. Discuss allograft reactions and how it is prevented.

Short Essays

(2x10=20)

3. Define Rh incompatibility. How is it detected and managed. Add a note on prevention
4. Discuss immunotherapy of cancer

Short Notes

(6x5=30)

5. Localised anaphylaxis
6. Screening tests for HIV
7. Immunological surveillance
8. Type II hypersensitivity and clinical importance
9. Define autoimmunity. Discuss briefly two autoimmune conditions
10. Indications for blood grouping and cross matching

Answer Briefly

(10x2=20)

11. Bombay blood group
12. Test for demonstration of autoantibodies
13. Tuberculin test
14. Systemic lupus erythematosus
15. Histocompatibility antigens
16. Di George syndrome
17. Unusual blood groups
18. Serum sickness
19. Immune complex diseases
20. Confirmatory tests for HIV infection
