

QP Code: 402019

Reg. No.....

**Fourth Year B.Sc. Medical Microbiology Degree Examinations
August 2018**

Immunology, Immunochemistry and Serology II

Time: 3 Hours

Total Marks: 100

- Answer all questions
- Draw diagrams wherever necessary

Essays

(2x15=30)

1. Define autoimmunity. Describe the mechanisms, classification and pathogenesis of autoimmune diseases
2. List the important blood groups. Describe the reactions following blood transfusion. How is it prevented and managed.

Short Essays

(2x10=20)

3. Immune complex related type II hypersensitivity reactions
4. Discuss graft versus host reactions. How is it prevented

Short Notes

(6x5=30)

5. Tumour antigens
6. Immunology of AIDS
7. Schwartzman reaction
8. Hypersensitivity related to use of penicillin
9. White graft response
10. Tuberculin test

Answer Briefly

(10x2=20)

11. Mediators of type I hypersensitivity
12. ABO incompatibility
13. Nezelof syndrome
14. List the mediators of anaphylaxis
15. Hashimoto's disease
16. Prevention of Rh isoimmunisation
17. Serum sickness
18. CD4 counting and its applications
19. Grave's disease
20. Screening in blood banks
