

**QP Code: 402019**

**Reg. No.....**

**Fourth Year B.Sc. Medical Microbiology Degree Regular/Supplementary  
Examinations August 2019**

**Immunology, Immunochemistry and Serology II**

**Time: 3 Hours**

**Total Marks: 100**

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

**Essays**

**(2x15=30)**

1. Describe the different blood group systems. Discuss in detail about the complications following transfusion.
2. Define and classify autoimmune diseases. Describe in detail about the mechanism of autoimmune diseases.

**Short Essays**

**(2x10=20)**

3. Discuss in detail the immunity against parasitic infections.
4. Describe in detail the immunology of malignancies

**Short Notes**

**(6x5=30)**

5. Type III hypersensitivity.
6. Tuberculin testing
7. Acute transplant rejection
8. Immunological surveillance.
9. Di George syndrome
10. Immunology of AIDS

**Answer Briefly**

**(10x2=20)**

11. Farmer's lung.
12. Coombs cross matching of blood
13. Prevention of Rh isoimmunisation
14. Xenograft
15. Micro cytotoxicity testing.
16. Chronic transplant rejection
17. Autoimmune diseases of blood
18. Cytotoxic T cells
19. Addison's disease
20. Immunoglobulin A

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