

**Fourth Year B.Sc. Medical Microbiology Degree Supplementary
Examinations March 2020**

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 hypersensitivity reactions. Describe type IV hypersensitivity reactions
2. What is 'safe blood transfusion'. What are the indications. List complications and methods of prevention.

Short Essays

(2x10=20)

3. Classify immunodeficiency diseases. Add a note on cellular immunodeficiency
4. Coomb's test in blood in blood bank and its application

Short Notes

(6x5=30)

5. Mechanisms of autoimmunisation
6. Systemic autoimmune diseases
7. Factors favouring allograft survival
8. Atopy
9. Type III immune complex disease
10. Immunology of AIDS.

Answer Briefly

(10x2=20)

11. HLA in transplantation
12. Premonition
13. Wiskott-Aldrich syndrome
14. DiGeorge syndrome
15. Rheumatoid arthritis
16. Immunological surveillance in cancer
17. Contact dermatitis
18. ABO incompatibility
19. Western blot
20. Immunity in fungal infections
