

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

Immunology and Immunochemistry

Time: 3 Hours

Total Marks: 80

- *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 tumour markers. Enumerate the different classes of tumour markers with examples.
2. Describe the structure and functions of immunoglobulins

Short Notes

(6x5=30)

3. Secondary lymphoid organs
4. Laboratory diagnosis of AIDS.
5. Mechanism of activation of proto oncogenes.
6. Rh blood groups
7. RIA
8. Functions of major histocompatibility complex

Answer Briefly

(10x2=20)

9. Diagrammatically represent the eukaryotic cell cycle.
10. Biological carcinogens
11. Basic mechanism of autoimmunisation.
12. Adjuvants
13. Allograft rejection
14. Passive natural immunity
15. Clinical significance of classical pathway of complement activation.
16. Opsonisation
17. Define apoptosis.
18. Immunoglobulin E (IgE).
