



DCBT601

VI Semester B.Sc. Degree Examination, June/July - 2026

(NEP Scheme)

BIOTECHNOLOGY

Immunology

Paper - VII

Time : 2½ Hours

Maximum Marks : 60

Instructions :

Draw neat labelled diagram wherever necessary.

SECTION - A

I. Write short notes on the following.

- 1) Adjuvant
- 2) Super antigen
- 3) Polyclonal antibody
- 4) Cytokines
- 5) Toxoid.



(5×2=10)

SECTION - B

II. Answer any Four of the following.

- 6) Discuss on Innate immunity.
- 7) Illustrate the structure and function of Thymus.
- 8) Explain the complement system.
- 9) Give an account on auto immune disease.
- 10) Discuss on Aspergillosis.

(4×5=20)

SECTION - C

III. Answer any Three of the following.

- 11) Describe the cell mediated and Humoral mediated immunity.
- 12) Explain the complement pathways.
- 13) Elaborate on the types of hypersensitivity.
- 14) Illustrate on ELISA and RIA.
- 15) Give an account on
 - a. Graft rejection.
 - b. Cancer antigen.

(3×10=30)
