



M.Sc. IV Semester Degree Examination, October - 2023

BIOTECHNOLOGY

Biology of Immune System

(NEP)

Time : 1 Hours

Maximum Marks : 30

Instructions : (i) Answer **all** the Sections.
(ii) Draw neat diagrams wherever necessary.

SECTION - A

Answer **all** the following questions, each question carries **one** mark.

5x1=5

1. (a) Cellular immunity
(b) Lymphoid cells
(c) Epitopes
(d) Haptens
(e) Helper T cell

SECTION - B

Answer **any five** of the following questions, each question carries **two** marks.

5x2=10

2. ABO blood grouping
3. Autoimmunity
4. Immunogenicity
5. T cell activation
6. Granulocytic cells
7. Mononuclear phagocytes
8. Thymus

SECTION - C

Answer **any three** of the following questions, each question carries **five** marks.

3x5=15

9. Explain the structure and function of Lymph node.
10. Write a note on Antigens.
11. Describe the structure of MHC class I molecule.
12. Discuss on immunity to infections.
13. Explain the general structure of immunoglobulin.

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