Exam. Code

Subject Code:

SECTION-B

What are Primary Immunodeficiency disorder?

Give the characteristics features of innate immunity.

How immunogenicity can be enhanced?

How antigens are recognized by cells?

Explain cross-reactivity.

7. What are allotypes?

Give the furctions of macrophages.

What is a secondary immune response?

10. How AIDS affects the immune response?

11. What are the functions of Trymus?

SECTION-C

- 12. Describe the properties of antigens which determine immunogenicity.
- 13. Classify antibodies and give their biological properties.
- 14. How body responds for adaptive immunity?
- 15. Give the structure and functions of secondary lymphoid organs.
- 16. How immune system is responsible for the infecticus diseases control? $3 \times 7 = 21$

M.Sc. (Botany) Semester—IV

BOTC-725: IMMUNOLOGY

Time Allowed—3 Hours]

[Maximum Marks—50

: 210004

8455

Note: Section A is compulsory (EIGHT questions, 1 mark each₁.

> Section B. Attempt SEVEN questions. The answer should not exceed 2 pages (SEVEN questions, 3 marks).

> Section C: Attempt any THREE questions. The answer should not exceed 4 pages (THREE questions, 7 marks each).

SECTION—A

- Give brief account of the following.
 - Attenuation (a)
 - Complement **(b)**
 - Hapten (c)
 - (d) Epitope
 - Paratope (e)
 - Opsonization
 - Basophils (g)

MHC.

8×1=8

(h)

 $7 \times 3 = 21$