

Exam. Code : 210004

Subject Code : 5469

M.Sc. Botany 4th Semester

IMMUNOLOGY

Paper – BOTC - 725

Time Allowed—3 Hours] [Maximum Marks—50

Note :—Attempt 7 questions from Section-B and 3 questions from Section-C. Section-A is compulsory.

SECTION-A

1. Write short answers : 1×8
- (a) Immunodeficiency
 - (b) Relative immunogenicity
 - (c) Cross reactivity
 - (d) Super antigens
 - (e) Primary lymphoid tissue
 - (f) Allotype
 - (g) Innate immunity
 - (h) Hapten.

SECTION-B

2. What are immunodeficiency disorders ?
3. Give various prerequisites of immunogenicity.
4. Give an account of various activators of lymphocytes.
5. Give an account of primary interactions between antigen and antibody.
6. Give classification of antibodies.
7. Write a note on secondary lymphoid tissue.
8. Write a note on secondary immune response.
9. How bifunctionality of antibodies is determined ?
10. What are secondary immune responses ?
11. Write a note on monoclonal antibodies. 3×7

SECTION-C

12. Describe different types of antibodies and give their functions.
13. Give an account of different types of cells involved in innate immunity.
14. Describe in detail major histocompatibility complex.
15. How immune system is responsible for infectious disease control ?
16. What are bifunctional properties of antibodies ? Explain. 7×3