

Exam. Code : 107403

Subject Code : 1727

B.Sc. Biotechnology 3rd Sem. (Batch 2020-23)

IMMUNOLOGY-I

Paper-BTL-202

Time Allowed—3 Hours] [Maximum Marks—40

Note :- Attempt **FIVE** questions in all, selecting at least **ONE** question from each section. The **fifth** question may be attempted from any section. All questions carry equal marks.

SECTION—A

1. Define the following :
 - (a) Epitope
 - (b) Self-antigens
 - (c) ADCC
 - (d) Adjuvants. 2×4
2. What are the differences between innate and adaptive immune response ? 8

SECTION—B

3. What are primary lymphoid organs ? Discuss with diagrams. 8
4. What are antigen presenting cells ? Discuss their role in immune response. 8

SECTION—C

5. What are immunoglobulins ? Discuss their classes and structures. 8
6. Explain antibody-dependent complement activation pathway. 8

SECTION—D

7. Discuss the structures of Class-I and Class-II MHC molecules. 8
8. Explain the structure and functions of TCR. 8