

A-929

Total Pages : 3

Roll No. -----

MZO-606

Immunology-I, Immune System & Response

M.Sc. Zoology (MSCZO)

4th Semester Examination 2024 (June)

Time: 2:00 hrs

Max. Marks: 35

Note : This paper is of Thirty Five (35) marks divided into Two (02) Section A and B. Attempt the questions contained in these sections according to the detailed given therein. Candidates should limit their answers to the questions on the given answer sheet. No additional (B) answer sheet will be issued.

P.T.O.

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Section-A (Long-Answer-Type Questions)

Note : Section 'A' contains Five (05) long-answer-type questions of Nine and Half (9½) marks each. Learners are required to answer any Two (02) questions only.

[2x9½=19]

- Q.1. Describe various primary lymphoid organs and secondary lymphoid organs.
- Q.2. Give detail account of immune cells involved in immune response.
- Q.3. Describe various Immunoglobulin classes and their properties.
- Q.4. What are MHC molecules? Differentiate between Class I MHC molecules and Class II MHC molecules.
- Q.5. Write an essay on complement system.

Section-B (Short-Answer-Type Questions)

Note : Section 'B' contains Eight (08) short-answer-type questions of Four (04) marks each. Learners are required to answer any Four (04) questions only.

[4x4=16]

- Q.1. Write a short note on:
- a. Antigen
 - b. Hapten
- Q.2. Differentiate between Innate and Acquired immunity.
- Q.3. Write about Clonal selection theory.
- Q.4. How immune responses are regulated?
- Q.5. What is the role of cytokines?
- Q.6. Write about mechanism of antibody production.
- Q.7. How the immunoglobulin diversity is generated?
- Q.8. What do you understand by cell mediated immunity?
