

A-1079

Total Pages : 3

Roll No.

MZO-606

Immunology-I, Immune System & Response

M.Sc. Zoology (MSCZO)

Examination 2026 (Feb.)

Time: 02:00 hrs

Max. Marks: 35

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

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)

P.T.O

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1. What are Immunoglobulins? Describe their structure and functions.
2. Describe various cells involve in Immune response.
3. Describe the lymphoid system in detail.
4. What is complement system? Describe its functions.
5. Explain Major Histocompatibility complex? Describe its type and functions.

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)

1. Write a short notes on:
 - (a) Hapten
 - (b) Adjuvant
2. Differentiate between active and passive immunity.
3. What are cytokines?

4. Write a short note on immune system.
5. Differentiate between humoral and cell mediated immunity.
6. Write about Clonal selection theory.
7. Define the term Antigen and immunological memory.
8. Write about the process of antibody production.
