

Examination Session June-2022

(Fourth Semester)

MZO-606

M.Sc. ZOOLOGY (MSZO)

[Immunology - I (Immune System & Response)]

Time : 2 Hours]

[Max. Marks : 40

Note : This paper is of Forty (40) marks divided into two (02) Section A and B. Attempt the questions contained in these sections according to the detailed instructions given therein.

SECTION—A

(Long-Answer-Type Questions)

Note : Section 'A' contains five (05) long-answer-type questions of Ten (10) marks each. Learners are required to answer any two (02) questions only. 2×10=20

1. Describe primary and secondary lymphoid organs.
Write their functions.
2. Give detail of types of cells involve in immune response.
3. Explain the structure and functions of various types of immunoglobulin.
4. Explain the process of cell mediated immunity.
5. Describe the process of antibody production.

SECTION—B

(Short-Answer-Type Questions)

Note : Section 'B' contains eight (08) short-answer-type questions of Five (05) marks each. Learners are required to answer any four (04) questions only. $4 \times 5 = 20$

1. Differentiate between innate and acquired immunity.

2. Write a short note on Clonal selection theory.
3. Define Isotype, Allotype and Idiotype immunoglobins.
4. Differentiate between primary and secondary immune response.
5. Define antigen, hapten and carrier.
6. Write a short note on complement system.
7. Differentiate between MHC class I molecules and MHC class II molecules.
8. Write a short note on Regulation of immune Response.
