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Total Pages : 3

Roll No.

MZO-606

Immunology-I, Immune System & Response

M.Sc. Zoology (MSCZO)

4th Semester Examination, 2023 (June)

Time : 2 Hours]

[Max. Marks : 35

Note : This paper is of Thirty Five (35) marks divided into two (02) Sections 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 Nine and Half (9½) marks each. Learners are required to answer any Two (02) questions only.

(2×9½=19)

1. Give a detail account of different organs involve in immune response.

2. Differentiate between humoral and cell mediated immunity.
3. Describe various types of immunoglobulin molecules and their properties.
4. Explain mechanism of generation of immunoglobulin diversity.
5. Discuss the process of antibody production.

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. (4×4=16)

1. Differentiate between active and passive immunity.
2. Write a short note on :
 - (a) Hapten.
 - (b) Antigen.
3. Write about clonal selection theory.
4. Write about MHC class I and MHC class II molecules.

5. How immune response is regulated?
 6. Write a short note on immunologic memory.
 7. Discuss the complement system.
 8. Write a short on :
 - (a) Innate immunity.
 - (b) Acquired immunity.
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