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Total Pages : 3

Roll No.

MZO-606

Immunology-I, Immune System & Response

M.Sc. Zoology (MSCZO)

4th Semester Examination, 2022 (Dec.)

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. Differentiate between the primary lymphoid organs and the secondary lymphoid organs.

2. Give a detail account of cells involved in immune response.
3. Discuss the structure and type of immunoglobulin molecules.
4. Explain the genetic mechanism involved in the generation of diversity in immunoglobulins.
5. Describe 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 innate immunity and acquired immunity.
2. Write a short note on any *two* :
 - (a) Antigen.
 - (b) Hapten.
 - (c) Carriers.
3. Write about Clonal selection theory.

4. Differentiate between MHC class I and MHC class II molecules.
 5. Write about Regulation of immune response.
 6. What do you understand by the term immunologic memory?
 7. Discuss the complement pathways.
 8. Write a short note on :
 - (a) Active immunity.
 - (b) Passive immunity.
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