

K-535

Total Pages : 3

Roll No.

MZO-606

Immunology-I, Immune System & Response

M.Sc. Zoology (MSCZO)

4th Semester Examination, 2023 (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. 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.

(2×9½=19)

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[P.T.O.

1. Explain structure and function of various types of immunoglobulin.
2. Describe genetic organization of MHC I and MHC II.
3. What is immunogenicity? Explain its characteristics.
4. What are Lymphoid organs? Differentiate between the primary lymphoid organs and the secondary lymphoid organs.
5. Write about production and delivery system of vaccines.

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. Write a short note on any *two* :
 - (a) Antigen.
 - (b) Auto Immunity.
 - (c) HIV.
2. What are the autoimmune components of diabetes mellitus?

3. What is hybridoma technology? Discuss in detail.
 4. Write a brief account of western blotting.
 5. Discuss about natural killer cells.
 6. Explain the term Cell mediated Immunity.
 7. Differentiate between innate immunity and acquired immunity.
 8. Write about Hormonal Control of Immune Response.
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