

C281

Total Pages : 3

Roll No.

ZO-551

Immunology

M.Sc. Zoology(MSCZO)

2nd Year Examination, 2022 (June)

Time : 2 Hours]

Max. Marks : 80

Note : This paper is of Eighty (80) 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 Twenty (20) marks each. Learners are required to answer any Two (02) questions only.

(2×20=40)

1. Differentiate between innate and acquired immunity.

2. Give a brief account of immune cells involved in immune response.
3. Draw a well labelled diagram of immunoglobulin molecules. What are the types of Igs and their functions ?
4. Write a short note on :
 - (a) MHC I and II.
 - (b) MHC Associated disease.
 - (c) MHC of Mouse.
5. What are characteristic feature of primary and secondary antibody response?

SECTION-B

(Short Answer Type Questions)

Note : Section 'B' contains Eight (08) short answer type questions of Ten (10) marks each. Learners are required to answer any Four (04) questions only. (4×10=40)

1. Briefly describe the Cytotoxic T cell.
2. What are the Natural killer cells and what is their role in CMI (cell mediated immunity) ?
3. Explain the Recombinant DNA vaccines.

4. Enumerate the T-cell and B-cell deficiency disease.
 5. Write a note on Arthus reaction & Granuloma formation.
 6. Briefly describe the sites of host response in malarial infection.
 7. What is the edible vaccine and what is their future?
 8. Explain the factors influencing antibody production.
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