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Total Pages : 3

Roll No. -----

ZO-551

Immunology

M.Sc. Zoology (MSCZO-19)

2nd Year, Examination 2021 (Winter)

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 x 20 = 40]

P.T.O.

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- Q.1. Elaborate on the molecular basis of antibody diversity and write a note on class switching?
- Q.2. Describe the characteristics feature of various antibody classes and give their biological features?
- Q.3. Explain in detail the antigen antibody interaction?
- Q.4. What is autoimmunity? How its occurs? Classify the autoimmune diseases?
- Q.5. What are the transplantation antigens and discuss their role in graft rejection?

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 x 10 = 40]

- Q.1. Write briefly the role of accessory cells in immune response?
- Q.2. Write a short note on Innate and acquired immunity?
- Q.3. Explain the Recombinant DNA vaccines?
- Q.4. Enumerate the T-cell and B-cell deficiency disease?
- Q.5. Write a note on Clonal Selection theory?
- Q.6. Explain the M.H.C. associated disease?
- Q.7. Give the brief account of Acquired Immunity?
- Q.8. Explain the factors influencing antibody production?
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