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ZOH 551

Fourth Semester M.Sc. Degree Examination, September/October 2022
ZOOLOGY (CBCS)
Biology of Immune System

Time : 3 Hours

Max. Marks : 70

Note : 1) Answer *all* questions.

2) Give illustrations *wherever* necessary.

I. Write short notes on :

(5×2=10)

- a) Jules Bordet
- b) Mitogens
- c) Clonal anergy
- d) GVHR
- e) Immunotolerance.

II. a) Name the different leucocytes. Elaborate on the role of macrophages in immune System.

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OR

b) Explain the diverse functions of complement activation.

III. a) Describe the structure and functions of MHC molecules.

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OR

Write notes on :

- b) Properties of immunogen
- c) Adjuvants and their importance.

IV. a) Summarise the development of humoral immune response. Add a note on its regulation.

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OR

Write notes on :

- b) T -independent B cell responses.
- c) B cell receptor complex.

P.T.O.



V. a) Discuss on the cell mediated effector responses.

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OR

Write notes on :

- b) Early thymocyte development.
- c) NKT cells.

VI. Write notes on :

- a) Immunosuppressive therapy.
- b) Immune evasive mechanisms developed by bacteria.

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OR

- c) Define adaptive immunity. Comment on different types of vaccines with a note on their advantages and disadvantages.
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