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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. 12

OR

b) Explain the diverse functions of complement activation.

III. a) Describe the structure and functions of MHC molecules. 12

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. 12

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.

12

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.

12

OR

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