



K26P 1311

Reg. No. :

Name :

Second Semester M.Sc. Degree (C.B.S.S. – Supplementary)
Examination, April 2026
(2022 Admission)
ZOOLOGY
ZOO2C08 : Immunology

Time : 3 Hours

Max. Marks : 60

I. Answer **any two** of the following.

(2×12=24)

- 1) Write an essay on specificity and diversity in antigen-antibody interactions, adding a note on its clinical significance in medical diagnosis and treatment.
- 2) Compare and contrast the classical and lectin pathways of the complement system. Discuss their significance in understanding and managing immune-related disorders and potential therapeutic interventions.
- 3) Write an essay on the cells and organs of the immune system.
- 4) Explain various stages in the development of T cells. Explore the significance of T cell development in immunology.

II. Answer **any two** of the following.

(2×8=16)

- 5) Explain different types of hypersensitivity reactions.
- 6) Discuss the role of the immune system in tumor surveillance. Add a note on cancer vaccines.
- 7) Discuss the immunological basis of graft rejection and explore strategies for preventing or managing rejection reactions.
- 8) Write down the mechanisms of antigen processing and presentation by MHC molecules.

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III. Answer **any four** of the following.

(4×5=20)

- 9) What are the Scope of immunology ?
- 10) Comment on ELISA.
- 11) Explain Immuno-electrophoresis.
- 12) Write notes on different classes of Immunoglobulins.
- 13) Comment on Epitopes.
- 14) Briefly explain different types of vaccines.

