



K18P 0148

Reg. No. :

Name :

**Second Semester M.Sc. Degree (Regular/Supplementary/Improvement)
Examination, March 2018
(2014 Admn. Onwards)
ZOOLOGY
ZOO2C08 : Immunology**

Time : 3 Hours

Max. Marks : 60

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

- 1) Describe different classes of immunoglobulin and its functions.
- 2) Explain the complement system.
- 3) Give details of antigen processing and presentation.
- 4) Write about the biological consequences of antibody-antigen reaction.

(2×12=24)

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

- 5) Explain the types of hypersensitivity.
- 6) Explain the somatic recombination.
- 7) Explain the various types of immunity.
- 8) Explain types of vaccines.

(2×8=16)

III. Write short note on **any four** of the following.

- 9) Hapten.
- 10) Distinguish between autograft and allograft.
- 11) Inflammatory cells.
- 12) Chemokines.
- 13) Adjuvants.
- 14) Congenital immunodeficiency diseases.

(5×4=20)