



K19P 0314

Reg. No. :

Name :

**II Semester M.Sc. Degree (Reg./Suppl./Imp.) Examination, April 2019
(2014 Admission Onwards)
ZOOLOGY
ZOO 2C08 : Immunology**

Time : 3 Hours

Max. Marks : 60

I. Answer **any two** of the following : (2×12=24)

- 1) Differentiate between MHC Class I and II. Add a note on antigen processing and presentation.
- 2) Explain the types of hypersensitivity reactions.
- 3) Write an essay on organ transplantation. Comment on the recent trends in transplantation.
- 4) What are the major effects of antigen-antibody reaction ?

II. Answer **any two** of the following : (2×8=16)

- 5) List the various primary and secondary lymphoid organs. Mention their roles in immunity.
- 6) Explain the typical features of antigens.
- 7) Briefly describe the different types of vaccines. Give examples for each.
- 8) Differentiate classical and alternate pathways of complement activation.

III. Answer **any four** of the following : (4×5=20)

- 9) Adjuvants
 - 10) Null cells
 - 11) Hybridoma technology
 - 12) Immunosuppression
 - 13) Granulocytes
 - 14) Phagocytosis.
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