



K20P 0362

Reg. No. :

Name :

**II Semester M.Sc. Degree (CBSS – Reg./Suppl./Imp.) Examination, April 2020
(2014 Admission Onwards)
ZOOLOGY
ZOO2C08 : Immunology**

Time : 3 Hours

Max. Marks : 60

- I. Answer **any two** of the following : (2×12=24)
- 1) Describe Complement System and the various pathways of activation.
 - 2) Explain the mechanism of activation and differentiation of Lymphocytes.
 - 3) Write an essay on transplantation and rejection of the transplanted organs.
 - 4) Discuss the various antigen-antibody interactions and their uses.
- II. Answer **any two** of the following : (2×8=16)
- 5) Which are the primary and secondary lymphoid organs in vertebrates ?
Explain their roles in immunity.
 - 6) Explain the features and classes of immunoglobulins. Use sketches wherever necessary.
 - 7) Acquired Immune Deficiency Syndrome.
 - 8) Differentiate between MHC Class I and II, with the help of neat sketches.
- III. Answer **any four** of the following : (4×5=20)
- 9) Natural Killer Cells.
 - 10) Hybridoma Technology.
 - 11) Immuno-electrophoresis.
 - 12) Cytokines.
 - 13) Phagocytosis.
 - 14) Adjuvants.
-