



K20P 0361

Reg. No. :

Name :

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

ZOOLOGY

ZOO2C07 : Environmental Biology

Time : 3 Hours

Max. Marks : 60

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

- 1) Discuss the importance of wetland ecosystems. Explain the major threats to wetlands. Add a note on management strategies.
- 2) Explain nitrogen cycle. In what ways humans influence the nitrogen cycle.
- 3) What is meant by biodiversity index ? Describe the various biodiversity indices.
- 4) Describe the models of energy flow. Explain the flow of energy in a forest ecosystem. (2×12=24)

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

- 5) Discuss the ecological impacts of genetically modified organisms.
- 6) Describe the population growth.
- 7) Explain ozone depletion and global warming. Add a note on greenhouse effect.
- 8) Enumerate the major ecosystem processes and their impacts. (2×8=16)

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

- 9) Comment on bioremediation.
- 10) Describe co-evolution.
- 11) Write a note on metapopulation dynamics.
- 12) Explain ecological foot printing.
- 13) Define life tables.
- 14) Explain carrying capacity. (4×5=20)