



K20U 0157

Reg. No. :

Name :

VI Semester B.Sc. Degree (CBCSS-Reg./Supple./Improv.)
Examination, April 2020
(2014 Admission Onwards)
CORE COURSE IN ZOOLOGY
6B 11 ZLG : Environmental Science and Conservation Biology

Time : 3 Hours

Max. Marks : 40

Instructions : 1) Answer may be written either in **English** or in **Malayalam**.
2) Give illustrations **wherever** necessary.

- I. Answer **any one**. (1×8=8)
- 1) Write an essay on population interactions.
 - 2) Define biodiversity. Explain different levels of biodiversity.
- II. Answer **any one**. (1×8=8)
- 3) Write an essay on properties of population.
 - 4) Explain the different threats to biodiversity.
- III. Answer **any two**. (2×4=8)
- 5) Briefly explain Nitrogen cycle.
 - 6) Describe ecological succession.
 - 7) Explain the concept of limiting factors.
 - 8) Give a detailed account on any two environmental laws.
- IV. Answer **any six**. (6×2=12)
- 9) What are the biotic factors in an ecosystem ?
 - 10) Write brief notes on sustainable development.

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- 11) Describe the importance of mangroves in the ecosystem. Reg. No. :
- 12) Write down the features of tundra biome. Name :
- 13) Comment on ecological pyramids.
- 14) Write notes on the role of IT in environment.
- 15) What is green house effect ?
- 16) Mention any four remedial measures for radioactive pollution.

V. Answer **all** questions.

(4×1=4)

- 17) What is edge effect ?
- 18) Define recycle index.
- 19) What is meant by primary productivity ?
- 20) a) _____ is a state of dormancy of some animals to survive in hot and dry periods.
- b) _____ is the maximum number of individuals of a species, that a particular environment can support.
- c) The species that are likely to become endangered in the near future are called _____
- d) In India the Wild-life Protection Act was enacted in the year _____