



K19U 0152

Reg. No. : .....

Name : .....

VI Semester B.Sc. Degree (CBCSS – Reg./Supple./Improv.)

Examination, April 2019

(2014 Admission Onwards)

CORE COURSE IN ZOOLOGY

6B 11 ZLG : Environmental Science and Conservation Biology

Time : 3 Hours

Max. Marks : 40

*Instruction : Answer may be written either in **English** or in **Malayalam**.  
Give illustrations **wherever** necessary.*

I. Answer **any one** :

(1×8=8)

- 1) Write an essay on properties of population.
- 2) Define biogeochemical cycles. Explain different types of biogeochemical cycles with suitable examples.

II. Answer **any one** :

(1×8=8)

- 3) Write an essay on various threats to biodiversity.
- 4) Explain the objectives and features of any four major Environmental laws.

III. Answer **any two** :

(2×4=8)

- 5) Describe ecological succession.
- 6) Briefly explain different levels of biodiversity.
- 7) Describe various biotic factors in an ecosystem.
- 8) Explain the concept of limiting factors.

IV. Answer **any six** :

(6×2=12)

- 9) What are ecological pyramids ?
- 10) Write brief notes on any two positive interactions in a population.
- 11) Describe the importance of mangroves in the ecosystem.
- 12) Write down the features of cave biome.
- 13) Comment on hotspots of biodiversity.
- 14) What are EIA and EIS?
- 15) What is ozone depletion?
- 16) Mention any four ecological impacts of sand mining.

P.T.O.

K19U 0152



(4×1=4)

V. Answer **all** questions :

- 17) What is amensalism ?
  - 18) Define ecotone.
  - 19) What is meant by ecological indicators ?
  - 20) a) \_\_\_\_\_ is the network of food chains in the ecosystem.  
b) \_\_\_\_\_ is a quantitative measure of the degree of material recycling in the biosphere.  
c) The species that are likely to become endangered in the near future are called \_\_\_\_\_  
d) \_\_\_\_\_ is the heterogeneity or variability of the constituent species of a community.
-