



K21U 0157

Reg. No. :

Name :

VI Semester B.Sc. Degree (CBCSS – Reg./Supple./Improv.)
Examination, April 2021
(2014 – 2018 Admissions)
CORE COURSE IN ZOOLOGY
6B11ZLG : Environmental Science and Conservation Biology

Time : 3 Hours

Max. Marks : 40

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

I. Answer **any one**.

(1×8=8)

- 1) Explain the physical features, fauna and their adaptation in various aquatic ecosystems.
- 2) Write an essay on the properties of population and add a note on the types of growth curve.
- 3) Describe the various types of inter-specific interaction with suitable examples.

II. Answer **any one**.

(1×8=8)

- 4) Write an essay on the various threats faced by our biodiversity.
- 5) Explain sustainable development and role of humans in sustainable development.
- 6) What are the global impacts of ozone depletion and wetland reclamation ?

III. Answer **any two**.

(2×4=8)

- 7) Describe the different levels of diversity.
- 8) Enumerate the character of a community.
- 9) Comment on ecological succession.
- 10) What are biodiversity hotspots and why are they important ? Give any two examples.

P.T.O.



IV. Answer any six.

(6×2=12)

- 11) What is Edge effect ?
- 12) State Shelford's law of tolerance.
- 13) What are population fluctuations ?
- 14) Define recycling index.
- 15) What are Lentic Ecosystems ?
- 16) How is RFLP used in biodiversity studies ?
- 17) Comment on the economic importance of biodiversity.
- 18) What are ecological pyramids ?
- 19) Write a note on greenhouse effect.
- 20) What is fragmentation of ecosystem ?
- 21) Outline the features of a desert biome.
- 22) What is importance of remote sensing in environment management ?

V. Answer all of the following.

(4×1=4)

- 23) Expand "EIS".
- 24) The Wildlife Protection Act was implemented in _____
- 25) The Law of Minimum was proposed by _____
- 26) What is a food chain ?