



K22U 0159

Reg. No. : .....

Name : .....

**VI Semester B.Sc. Degree (CBCSS – Supple./Improv.) Examination, April 2022**  
**(2016-2018 Admissions)**  
**CORE COURSE IN ZOOLOGY**  
**6B 13 ZLG : Ethology, Evolution and Zoogeography**

Time : 3 Hours

Max. Marks : 40

I. Answer **any one** of the following. (1×8=8)

- 1) Explain various types of Animal distribution. Mention different factors affecting distribution.
- 2) Write an essay on Darwin's theory and its criticisms.

II. Answer **any one** of the following. (1×8=8)

- 3) Explain the characteristics of social groups in mammals. Give suitable examples.
- 4) Elucidate the embryological and paleontological evidences of evolution.

III. Answer **any two** of the following. (2×4=8)

- 5) Explain the role of hormones in behaviour.
- 6) Describe Lamarckism.
- 7) What is Isolation ? What are the major types of Isolation ?
- 8) Explain biogeographical classification of India.

IV. Answer **any six** of the following. (6×2=12)

- 9) Circadian rhythm.
- 10) Motivation.
- 11) Imprinting.
- 12) Genetic drift.
- 13) Adaptive radiation.

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- 14) Geological time scale.
- 15) Mimicry.
- 16) Wallace line.

V. Answer the following questions in a word or sentence. (4×1=4)

- 17) The inherited behaviour is called
- 18) The decrease in response to repeated or continuous stimulus is called
- 19) \_\_\_\_\_ is a pheromone produced by silkworm moth.
- 20) India belongs to \_\_\_\_\_ realm.