



K21U 0159

Reg. No. :

Name :

VI Semester B.Sc. Degree (CBCSS-Reg./Supple./Improv.)
Examination, April 2021
(2014 – 2018 Admissions)
CORE COURSE IN ZOOLOGY
6B13ZLG : Ethology, Evolution and Zoogeography

Time : 3 Hours

Max. Marks : 40

I. Answer **any one**. **(1×8=8)**

- 1) Explain the role of hormones in behavior.
- 2) Explain the different learned behavior.
- 3) Explain the characteristics of social groups in mammals.

II. Answer **any one**. **(1×8=8)**

- 4) Explain any two theories of organic evolution.
- 5) Explain two different geographic distribution of animals and the factors affecting them.
- 6) Using Darwin's finches explain adaptive radiation and divergent evolution.

III. Answer **any two**. **(2×4=8)**

- 7) Adaptive radiation.
- 8) Briefly explain any two types of communication.
- 9) Differentiate Microevolution and Macroevolution.
- 10) Models of Motivation.

IV. Answer **any six**. **(6×2=12)**

- 11) Innate behavior.
- 12) Pheromones.
- 13) Fossil dating.

P.T.O.



- 14) C-value Paradox.
- 15) Oparin concept.
- 16) Germ plasm theory.
- 17) Continental islands.
- 18) Genetic drift.
- 19) Conditioned reflex.
- 20) Limbic system.
- 21) Speciation.
- 22) Mullerian mimicry.

Reg. No. :

Name :

VI Semester B.Sc. Degree (CBCSS-Reg) (Supplementary)
 Examination, April 2021
 (2014 - 2018 Admissions)
 CORE COURSE IN ZOOLOGY

Time : 3 Hours

V. Answer the following.

(4x1=4)

- 23) Pheromones are species specific – true or false.
- 24) Internal clock of human body.
- 25) _____ are considered as primitive cell.
- 26) _____ is a mating group with one female and many males.

(2x4=8)

(6x2=12)