K25FY3275 Pages: 1 Reg No:.....
Name:.....

Third Semester FYUGP Degree (Reg) Examination November 2025

KU3DSCZOO202 - ETHOLOGY AND EVOLUTION

2024 Admission onwards

Time : 2 hours Maximum Marks : 70

Section A

Answer any 6 questions. Each carry 3 marks.

1. What does The Greatest Show on Earth by Richard Dawkins argue for?
2. How did Darwin's ideas influence debates about gender?
3. Define ethology.
4. Define animal communication with example.
5. What are mammalian pheromones?
6. What is the C-value paradox?
7. Explain molecular clock.
8. Explain kin selection in animals with one example.

Section B

Answer any 4 questions. Each carry 6 marks.

9. Write on Lorenz's contributions to ethology.
10. Evaluate with the help of an example how internal and external stimuli influence animal motivation.
11. Design a comparison chart of social behaviour in monkeys and elephants.
12. Explain how genetic drift could affect a small isolated population
13. Explain the concept of Evo-devo and its significance in evolution.
14. How the concept of kin selection contradicts natural selection?

Section C

Answer any 2 questions. Each carry 14 marks.

15. Analyze the evolution of bipedalism and associated adaptations in locomotion, emphasizing their advantages for survival and evolution.
16. Discuss the morphology, behaviour, and extinction of Neanderthals.
17. Discuss the concept of Intelligent Design and creation research.

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