

**22U620**

(Pages: 2)

Name : .....

Reg. No : .....

**SIXTH SEMESTER B.Sc. DEGREE EXAMINATION, APRIL 2025**

(CBCSS-UG)

(Regular/Supplementary/Improvement)

**CC19U ZOL6 B13 - ETHOLOGY, EVOLUTION AND ZOOGEOGRAPHY**

(Zoology - Core Course)

(2019 Admission onwards)

Time: 2 Hours

Maximum: 60 Marks

Credit: 3

**Part A** (Short answer questions)

Answer *all* questions. Each question carries 2 marks.

1. Discuss on how topography of earth surface acts as a barrier to animal distribution.
2. Name some examples for kinesis.
3. Define habituation.
4. Define mammalian limbic system.
5. Define photoperiodism.
6. What is social organization?
7. What is coacervation?
8. What is the significance of chlorophyll in the early evolution of life on earth?
9. What are the importances of paleontological evidences?
10. Explain Neo-Lamarckism.
11. Explain gene pool.
12. What is pre-adaptation?

**(Ceiling: 20 Marks)**

**Part B** (Short essay questions - Paragraph)

Answer *all* questions. Each question carries 5 marks.

13. Describe geographical, climatic and faunal characteristics of Oriental region.
14. What are the major events occurred on earth during Mesozoic era?
15. Explain the important morphological evidences for organic evolution.
16. What are the major criticisms against the theory of natural selection?
17. Explain different types of speciation.

18. Explain the pre and post zygotic RIMs.
19. Compare the major characteristics of different Homo species.

**(Ceiling: 30 Marks)**

**Part C (Essay questions)**

Answer any *one* question. The question carries 10 marks.

20. Discuss in detail on biogeographical zones of India.
21. What are the biochemical, genetical and embryological evidences of evolution?

**(1 × 10 = 10 Marks)**

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