

23U620

(Pages: 2)

Name:

Reg.No:

SIXTH SEMESTER B.Sc. DEGREE EXAMINATION, APRIL 2026

(CBCSS - UG)

(Regular/Supplementary/Improvement)

CC19UZOL6B13 - ETHOLOGY, EVOLUTION AND ZOOGEOGRAPHY

(Zoology - Core Course)

(2019 Admission onwards)

Time : 2.00 Hours

Maximum : 60 Marks

Credit : 3

Part A (Short answer questions)

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

1. Explain in detail on Galapagos and Mauritius Islands.
2. Define tropotaxis.
3. Define Associative learning.
4. Mention the importance of hypothalamus in thirst and feeding.
5. Enlist the four postulates of Oparin – Haldane theory.
6. What is the importance of 'endosymbiotic hypothesis' in evolution?
7. What is 'Cambrian Explosion'?
8. Define biogenetic law.
9. Enlist the important natural forces of organic evolution according to Darwinian theory.
10. What is the synthetic theory of evolution?
11. What is pre-adaptation?
12. Define peripatetic speciation.

(Ceiling: 20 Marks)

Part B (Short essay questions - Paragraph)

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

13. Describe physical barriers in animal distribution.
14. Explain the mechanism of orientation.
15. Discuss about chemical communication.
16. What are the methods used for dating of fossils?

17. What are the major postulates of Lamarckian theory of evolution.
18. Differentiate convergent and divergent evolution.
19. Explain the major hominid fossils.

(Ceiling: 30 Marks)

Part C (Essay questions)

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

20. Explain zoogeographical realms.
21. What are the morphological and anatomical evidences of evolution?

(1 × 10 = 10 Marks)
