

20U619

(Pages: 2)

Name:

Reg.No:

SIXTH SEMESTER B.Sc. DEGREE EXAMINATION, APRIL 2023

(CBCSS - UG)

(Regular/Supplementary/Improvement)

CC19U ZOL6 B13 - 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. Describe any four passive ways of animal dispersal.
2. Explain the categories of animal behaviour.
3. Define imprinting.
4. Define chemical communication.
5. What are the major steps of the chemical origin of life on earth?
6. What is the significance of chlorophyll in the early evolution of life on earth?
7. What are homologous organs?
8. Define biogenetic law.
9. Enlist the important natural forces of organic evolution according to Darwinian theory.
10. Explain the germ plasm theory and its significance.
11. Define Allopatric speciation.
12. What are the geographical isolation mechanisms?

(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 Ethiopian region.
14. Discuss the role of hypothalamus in behaviour.
15. Explain the mechanism of circadian rhythm.
16. What are the major events occurred on earth during Palaeozoic era?
17. What are the methods used for dating of fossils?

18. Explain gene frequency and genotype frequency.
19. Differentiate Phyletic gradualism and Punctuated equilibrium.

(Ceiling: 30 Marks)

Part C (Essay questions)

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

20. Describe the salient features of continental islands with examples.
21. Describe the evolutionary history of humans starting from proconsul.

(1 × 10 = 10 Marks)
