

24U220

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Name :

Reg. No :

SECOND SEMESTER UG DEGREE EXAMINATION, APRIL 2025

(FYUGP)

CC24UZOO2CJ102 - ENVIRONMENTAL BIOLOGY AND ANIMAL BEHAVIOUR

(Zoology - Major Course)

(2024 Admission - Regular)

Time: 2.0 Hours

Maximum: 70 Marks

Credit: 4

Part A (Short answer questions)

Answer *all* questions. Each question carries 3 marks.

1. Describe a standing crop and its importance. [Level:2] [CO1]
2. Discuss about trophic levels and trophic organization. [Level:2] [CO1]
3. Discuss the basic requirements of ecosystems. [Level:2] [CO1]
4. Explain chemosynthesis. [Level:2] [CO1]
5. Explain the adaptations of lotic organisms. [Level:2] [CO2]
6. Explain phytoplankton and zooplankton. [Level:2] [CO2]
7. Explain Gause's Principle. [Level:2] [CO3]
8. Explain ecotone and edge effect. [Level:2] [CO3]
9. Explain the evolutionary fitness. [Level:2] [CO4]
10. Explain the difference between monogamy and polygamy with example. [Level:2] [CO4]

(Ceiling: 24 Marks)

Part B (Paragraph questions/Problem)

Answer *all* questions. Each question carries 6 marks.

11. Explain the concept of nitrogen fixation and its types. [Level:2] [CO1]
12. Explain the concept of biotic and abiotic environment. [Level:2] [CO1]
13. Explain the difference between autecology and synecology. [Level:2] [CO1]
14. Explain features and significance of estuarine ecosystem. [Level:2] [CO2]
15. Explain the types of temperate forests. [Level:2] [CO2]
16. Explain the main goals of Plastic waste management Rules, 2016. [Level:2] [CO3]

17. Explain about tactile communication with examples. [Level:2] [CO4]

18. Discuss about fixed action pattern and its relation with sign stimulus. [Level:2] [CO4]

(Ceiling: 36 Marks)

Part C (Essay questions)

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

19. Discuss in detail various characteristics of population. [Level:2] [CO3]

20. Explain Learning and discuss on different types of learning with examples. [Level:2] [CO4]

(1 × 10 = 10 Marks)
