

Reg. No

Name

24U527

B.Sc. DEGREE END SEMESTER EXAMINATION - OCTOBER 2024

SEMESTER 5 : ZOOLOGY

COURSE : 19U5CRZOO06 : ENVIRONMENTAL BIOLOGY

(For Regular 2022 Admission and Supplementary 2021/ 2020 / 2019 Admissions)

Time : Three Hours

Max. Marks: 60

PART A

Answer All (1 mark each)

1. What are neuston?
2. Expand PP.
3. What is the suitable term for 'a body of standing water occupying a basin and lacking continuity with the sea'?
4. What is meant by the term 'oligotrophic lake'?
5. Name the scientist who used the term 'Niche', for the first time in ecology?
6. What is the full form of IPCC?
7. What is nuclear pollution?
8. Who coined the term ecology?

(1 x 8 = 8)

PART B

Answer any 6 (2 marks each)

9. Suggest measures to manage noise pollution.
10. Explain the ecological conditions of Tundra biome.
11. Enumerate the steps involved in vermicomposting.
12. Define an Ecosystem.
13. What are the main disadvantages of petroleum products when used as an energy resource?
14. Explain how Ozone is formed in the troposphere.
15. Differentiate genetic diversity and ecosystem diversity.
16. Explain climax community.

(2 x 6 = 12)

PART C

Answer any 4 (4 marks each)

17. Discuss the mitigation measures of tsunami.
18. Discuss various types of biotic resources.
19. Explain the concept of biodiversity hotspots.
20. Explain Forest biome and its animal life.
21. Give an account of the different types of water contaminants.
22. Discuss different types of negative interactions among species/populations.

(4 x 4 = 16)

PART D

Answer any 2 (12 marks each)

23. What are the causes and consequences of landscape changes? Elaborate the current situation in Kerala?
24. Discuss the different types of conventional energy sources and present an account of their disadvantages.
25. Give an account of cyclones with a note on their types, effects and mitigation measures.
26. Elaborate on the United States mission on mitigating the effects of 'climate change'.

(12 x 2 = 24)