QP CODE: 24018256

24018256

Reg No : .....

Name : .....

M Sc DEGREE (CSS) EXAMINATION, APRIL 2024

Fourth Semester

M Sc ZOOLOGY

Elective - ZL810401 - ENVIRONMENTAL SCIENCE:CONCEPTS AND APPROACHES

2019 ADMISSION ONWARDS

A3ED17A6

Time: 3 Hours

Weightage: 30

Part A (Short Answer Questions)

*Answer any **eight** questions.*

*Weight **1** each.*

1. Write a note on Crust.
2. Define Continental drift theory.
3. How does pH affect aquatic life?
4. What is Koppen's classification of climate?
5. Write any four causes of climatic change.
6. What are topographic maps? Mention its uses.
7. Comment on sanctuaries.
8. What is the role of local people in biodiversity conservation?
9. Comment on Project Tiger
10. Comment on the impacts of exotics on productivity.

(8×1=8 weightage)

Part B (Short Essay/Problems)

*Answer any **six** questions.*

*Weight **2** each.*

11. Briefly describe Physical Weathering.
12. Analyse the role of microbes in the soil.
13. Briefly explain the freshwater aquatic habitats.
14. Explain precipitation patterns and topography
15. Write a short essay on different types of corridors and their significance in wildlife conservation.
16. Describe the role of National and State Board of biodiversity.
17. Explain the role of reproductive potential in invasion success.

18. Explain the role of allelopathy in the novel weapon hypothesis.

(6×2=12 weightage)

Part C (Essay Type Questions)

Answer any two questions.

Weight 5 each.

19. Write an essay on the composition and characteristics of atmospheric layers.

20. Describe different components of the earth's climate system.

21. Explain any three causes of land degradation. How does land degradation affects the ecosystem?

22. Discuss how In-vitro techniques offer ways of overcoming problems in the conservation of genetic resources.

(2×5=10 weightage)