



21000526

QP CODE: 21000526

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Reg No : .....

Name : .....

**M Sc DEGREE (CSS) EXAMINATION, MARCH 2021**

**Third Semester**

Faculty of Science

M Sc BOTANY

**CORE - BY010304 - ENVIRONMENTAL SCIENCE**

2019 Admission Onwards

10234D61

Time: 3 Hours

Weightage: 30

**Part A (Short Answer Questions)**

*Answer any eight questions.*

*Weight 1 each.*

1. Explain ecotypes.
2. What are the factors influencing community dynamics?
3. Comment on primary and secondary succession
4. Coastal ecosystems are vulnerable. Comment on this statement
5. What are the tropical evergreen rain forests in the world?
6. What is heavy metal pollution? Give one example and its effects.
7. Write short note on ozone depletion?
8. Define climate change.
9. What is biodiversity?
10. Name any two national park in Kerala

(8×1=8 weightage)





**Part B (Short Essay/Problems)**

*Answer any **six** questions.*

*Weight 2 each.*

11. Write a note on scope of ecology.
12. Write a brief note on ecotone.
13. List the qualitative characteristics of plant communities.
14. What is autogenic succession?
15. Define is remote sensing. Mention its applications.
16. Give an account on air quality standards and index.
17. What is effluent? What the major pollutants present in effluents?
18. Define the terms pollution, sewage effluent and trade effluents.

(6×2=12 weightage)

**Part C (Essay Type Questions)**

*Answer any **two** questions.*

*Weight 5 each.*

19. What is meant by age structure? Explain age structure with help of age pyramids.
20. Explain nutrient cycles
21. Write an essay on waste water management practices.
22. Explain Ecotourism. What are the advantages and disadvantages of ecotourism?

(2×5=10 weightage)

