



QP CODE: 25022425



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Reg No :

Name :

M.Sc DEGREE (CSS) SPECIAL REAPPEARANCE EXAMINATION, APRIL 2025

Third Semester

M.Sc BOTANY

CORE - BY010304 - ENVIRONMENTAL SCIENCE

2019 ADMISSION ONWARDS

4E3FC722

Time: 3 Hours

Weightage: 30

Part A (Short Answer Questions)

*Answer any **eight** questions.*

*Weight **1** each.*

1. Define Environment.
2. Explain fidelity.
3. Comment on primary and secondary succession.
4. What are Ramsar sites?
5. Define climate? How can you differentiate microclimate and macroclimate?
6. Define noise pollution.
7. What is enhanced green house effect?
8. Define bioindicators. Give any two examples.
9. Name any five national parks in India with atleast two from Kerala.
10. List out the ecological importance of rain forest.

(8×1=8 weightage)

Part B (Short Essay/Problems)

*Answer any **six** questions.*

*Weight **2** each.*

11. Distinguish between ecads and ecotypes.
12. Write a brief note on ecotone.
13. Differentiate between cyclic and non-cyclic replacement changes in plant communities.
14. Comment on concept of stable communities.
15. What are the factors affecting discontinuous distribution?





16. What is 'Red tide'? Give its effects on sea water.
17. Distinguish between Sound and Noise.
18. What is eutrophication? How it affect the quality of water in a water body?

(6×2=12 weightage)

Part C (Essay Type Questions)

*Answer any **two** questions.*

Weight 5 each.

19. Explain positive and negative interactions in an ecosystem.
20. With help of suitable diagrams explain different type of ecological pyramids.
21. Discuss the different practices of solid waste management.
22. Write an essay on Red Data Book. How it helpful in conservation of species?

(2×5=10 weightage)

