



QP CODE: 26019228



Reg No :

Name :

M.Sc DEGREE (CSS) EXAMINATION, MARCH 2026

Fourth Semester

M Sc BIOTECHNOLOGY

ELECTIVE - BT830401 - ENVIRONMENT AND BIOTECHNOLOGY

2019 Admission Onwards

CF45EC5E

Time: 3 Hours

Weightage: 30

Part A (Short Answer Questions)

*Answer any **eight** questions.*

Weight 1 each.

1. Define biological environment .
2. What are terrestrial ecosystem ?
3. Choose the organism involved in denitrification.
4. Illustrate chemolithotrophic ammonia oxidizing bacteria.
5. What is meant by tropical rain forest?
6. What is ecotone? Give two examples?
7. Which are the main sources of air pollution?
8. Comment on toxicity generated during eutrophication.
9. Define Red Data book?
10. Why cryogenics are added prior to cold storage?

(8×1=8 weightage)

Part B (Short Essay/Problems)

*Answer any **six** questions.*

Weight 2 each.

11. Explain about habitat and its importance.
12. Explain energy flow in an ecosystem.
13. Comment on the establishing community in a xerosere.





14. Explain the significance of sentinel species.
15. Evaluate the effects of deforestation.
16. Which are the guidelines to control bioweapons?
17. List some International effort for Environment Protection.
18. Where are biodiversity of hotspots located and why is it important and worthy of protection?

(6×2=12 weightage)

Part C (Essay Type Questions)

*Answer any **two** questions.*

Weight 5 each.

19. Elaborate an essay on foodchain and foodweb.
20. Discuss the role of lichens, frogs and toads as biological indicators with advantages and disadvantages.
21. Describe DNA barcoding and its importance.
22. Explain the effects of heavy metal poisoning .

(2×5=10 weightage)

