

QP CODE: 26019209



Reg No :

Name :

M.Sc DEGREE (CSS) EXAMINATION, MARCH 2026

Fourth Semester

M Sc BOTANY

ELECTIVE - BY820403 - ENVIRONMENTAL MONITORING AND MANAGEMENT

2019 Admission Onwards

D5EC4CE0

Time: 3 Hours

Weightage: 30

Part A (Short Answer Questions)

*Answer any **eight** questions.*

Weight 1 each.

1. Explain Linear Programming. How can it be applied to air quality management.
2. What are the objectives of Eco labeling?
3. What are the ecological services provided by mountain ecosystem?
4. Explain anaerobic system of composting.
5. Expand PAN and briefly comment on its toxicity.
6. What is LCA?
7. Explain FCC
8. What is triangulation?
9. Poverty can negatively impact in achievement of sustainable development' Justify.
10. Give your views on various lifestyle modifications which can be adopted for achieving sustainable development.

(8×1=8 weightage)

Part B (Short Essay/Problems)

*Answer any **six** questions.*

Weight 2 each.

11. List out and describe the principles of Environmental Management.
12. Explain the law 'Nature knows the best'.
13. Discuss plastic management strategies. Support with any one case study model.





14. Describe dose-response relationships with illustration.
15. Discuss the benefits of EIA.
16. Narrate the success story of MOM.
17. Write short notes on a) Mega development projects b) Population Control
18. Mention the rules formulated to control noise pollution.

(6×2=12 weightage)

Part C (Essay Type Questions)

*Answer any **two** questions.*

Weight 5 each.

19. Explain the restoration activity suitable for a) Forest Ecosystem b) Wetland Ecosystem
20. Discuss on teratogenicity, mutagenicity and carcinogenicity.
21. Discuss the components, data models and softwares of GIS. Add a note on GIS as a decision support system.
22. Give a critical insight on environmental consequences of a) Green revolution and modern agriculture b) Industrial revolution.

(2×5=10 weightage)

