



QP CODE: 26019207



Reg No :

Name :

M.Sc DEGREE (CSS) EXAMINATION, MARCH 2026

Fourth Semester

M Sc BOTANY

ELECTIVE - BY820401 - BASIC CONCEPTS IN ENVIRONMENTAL STUDIES

2019 Admission Onwards

EE5EF824

Time: 3 Hours

Weightage: 30

Part A (Short Answer Questions)

*Answer any **eight** questions.*

Weight 1 each.

1. What is a landscape?
2. Which factors directly affect the occurrence of ground water?
3. Expand ITCZ. What does it mean?
4. Describe the criteria of Thornthwaite's scheme of climatic classification.
5. Write any five major impacts of El Niño.
6. What are the components of ecosystem?
7. What are intertidal zones?
8. Distinguish between species diversity and species abundance.
9. What is commensalism? Give examples.
10. What is clutch size? Give its examples.

(8×1=8 weightage)

Part B (Short Essay/Problems)

*Answer any **six** questions.*

Weight 2 each.

11. Briefly describe the impact of human activities on hydrosphere.
12. Enumerate the control measures of landslides.





13. Explain the factors affecting the primary productivity of ocean. How is it influenced by the activities of human beings?
14. Give a comparative account on: weather and climate.
15. What is impact of sea level rise in food chains?
16. Discuss the characteristics of grassland ecosystem.
17. What are Kol lands? Mention the significance of Kol lands.
18. Give an account on carrying capacity.

(6×2=12 weightage)

Part C (Essay Type Questions)

*Answer any **two** questions.*

Weight 5 each.

19. Write an essay on eutrophication. Explain the causes, consequences and methods of control.
20. Explain the climatic profile of India.
21. Write an essay on hydrological cycle and its role in the maintenance of life on earth.
22. Explain different types of wetlands. Give an account of Ramsar convention and Ramsar sites in India and Kerala.

(2×5=10 weightage)

