QP CODE: 21000845

Reg No : .....

Name : .....

M Sc DEGREE (CSS) EXAMINATION, JULY 2021

Fourth Semester

Faculty of Science

M Sc ZOOLOGY

Elective - ZL810401 - ENVIRONMENTAL SCIENCE:CONCEPTS AND APPROACHES

2019 Admission Onwards

54D54C58

Time: 3 Hours Weightage: 30

Part A (Short Answer Questions)

*Answer any **eight** questions.*

*Weight **1** each.*

1. Write a short note on Dykes.
2. List out the significance of the stratosphere.
3. Comment on global water balance.
4. How does air temperature change with altitude?
5. What is Thornthwaite's scheme of climate?
6. What are rangelands?
7. Comment on regulating services of biodiversity
8. Enlist the declared national parks in Kerala.
9. Mention the problems facing wildlife protection.
10. What is 'green economy'?

(8×1=8 weightage)

Part B (Short Essay/Problems)

*Answer any **six** questions.*

*Weight **2** each.*

11. Briefly describe the Physical Weathering
12. Write a short essay on chemical weathering.
13. Give an account of the diffusion of oxygen to surface waters and its significance.
14. Explain 'El Nino'
15. Describe the role of modern zoos and aquaria in conservation.
16. Distinguish between biosphere reserve and community reserve.
17. Explain the major hypotheses for invasion success.
18. Explain the role of biocontrol programs in invasion management.

(6×2=12 weightage)

Part C (Essay Type Questions)

*Answer any **two** questions.*

*Weight **5** each.*

19. Write an essay on the Geomorphological processes.
20. Write an essay on the Monsoon in Kerala and its significance
21. Explain the reasons for ecological land degradation.
22. Write an essay on different types of biodiversity and patterns of biodiversity distribution.

(2×5=10 weightage)