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Reg. No.....

Name.....

M.Sc. DEGREE (C.S.S.) EXAMINATION, NOVEMBER 2021

Fourth Semester

Faculty of Science

Branch VIII : Zoology-Elective-C-Environmental Science

ZY4CET03—ENVIRONMENTAL MANAGEMENT AND DEVELOPMENT

(2012—2018 Admissions—Supplementary/Mercy Chance)

Time : Three Hours

Maximum Weight : 30

Section A (Short Answer Type Questions)

Answer any **ten** *questions.*
Each question carries a weight of 1.

1. What is environmental impact assessment ?
2. Comment on electromagnetic spectrum.
3. Comment on Eco Funds.
4. What is geographical information system (GIS) ?
5. What is meant by sustainable environment ?
6. Comment on eco-restoration.
7. Define raster and vector data.
8. Comment on green revolution.
9. Comment on the Johannesberg Conference- 2002.
10. Write a note on El A processes.
11. Elaborate and define SPOT.
12. What is Digital Image Processing ?

(10 × 1 = 10)

Section B (Short Essay Type Questions)

Answer any **five** *questions.*
Each question carries a weight of 2.

13. What is ecological foot print analysis ? What is its significance ?
14. What are the five basic laws of ecology and their relevance for ecosystems management ?

Turn over

15. Comment on industrial revolution and resource utilization.

16. What measures can be taken to build a sustainable society and lifestyle ?

17. List down the ISO standards for Environment Management Systems (EMS).

18. Write down the environmental planning and management of waste lands.

19. Comment on Life Cycle Assessment and its significance.

20. Comment on the space imaging techniques.

(5 × 2 = 10)

Section C (Long Essay Type Questions)

Answer any **two** *questions.*
Each question carries a weight of 5.

21. List down the different management practices for various ecosystems.

22. What are the different methods and steps of environmental impact assessment ?

23. Explain the basic principles, and applications of GPS in environmental studies.

(2 × 5 = 10)