19001123

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Reg. No.....

Name.....

M.Sc. DEGREE (C.S.S.) EXAMINATION, APRIL 2019

Fourth Semester

Faculty of Science

Branch VIII—Zoology—Elective Course—C-Environmental Science

ZY 4C ET01—ENVIRONMENTAL SCIENCE—CONCEPTS AND APPROACHES

(2012 Admission onwards)

Time : Three Hours Maximum Weight : 30

Section A (Short Answer Type Questions)

Answer any **ten** *out of twelve.*
Weight 1 *each.*

Comment on the following :

1. Hydrosphere.
2. Role of microbes in soil.
3. Physical properties of soil.
4. Classification of rocks.
5. National parks.
6. Indian Biodiversity Act 2002 and laws.
7. DNA bank.
8. People's Biodiversity Register (PBR).
9. Novel weapon hypothesis.
10. Empty niche hypothesis.
11. Elton's hypothesis.
12. Quarantine.

(10 × 1 = 10)

Section B (Short Essay Type Questions)

Answer any **five** *out of eight .*
Weight 2 *each.*

Write short essays on the following :

13. Evolution of Continents and structural deformation.
14. Components of Climate system.

Turn over

15. Concept of ecological land degradation.
16. Use of soil survey.
17. National Board and State Boards biodiversity.
18. Strategies for biodiversity conservation.
19. Impacts and management of invasions.
20. Natural selection and Environment.

(5 × 2 = 10)

Section C (Long Essay Type Questions)

Answer any **two** *out of three.*
Weight 5 *each.*

21. Biomes and distribution of life on earth.
22. Climate of India.
23. Eco system functions and biodiversity.

(2 × 5 = 10)