

19P117

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Name:

Reg. No.....

FIRST SEMESTER M.Sc. DEGREE EXAMINATION, NOVEMBER 2019

(CUCSS PG)

CC19P ESC1 C01 – FUNDAMENTALS OF ECOLOGY AND ENVIRONMENT

(Environmental Science)

(2019 Admission Regular)

Time: Three Hours

Maximum: 30 Weightage

I. Answer any *four* questions. Each question carries 2 weightage.

1. Describe different types of rocks.
2. Write a short note on negative population interactions.
3. Explain briefly abiotic components of ecosystems.
4. Explain ecotone and edge effect.
5. What is ecological dominance?
6. Write a short note on ecological hot spots with examples.
7. What is Malthusian theory of population.

(4 x 2 = 8 Weightage)

II. Answer any *four* questions. Each question carries 3 weightage.

8. Describe the ecological pyramids with suitable examples.
9. Explain energy flow in an ecosystem with suitable diagrams.
10. Write a note on ecological adaptations.
11. Explain the multidisciplinary nature of environmental science.
12. Illustrate the different layers of atmosphere.
13. Describe the hydrological cycle with diagram.
14. Explain the weathering of rocks.

(4 x 3 = 12 Weightage)

III. Write an essay on any *two* of the following. Each question carries 5 weightage.

15. Write an essay on different environmental factors.
16. Explain biogeochemical cycles, gaseous and sedimentary cycles.
17. Give a detailed account of the characteristics of population.
18. Briefly discuss ecological succession with suitable examples.

(2 x 5 = 10 Weightage)
