PG Even Semester Exam, 2023

Ecology & Environmental Science

4th Semester

COURSE NO. ECGCC-401

[Human Ecology & Disaster Management]

Full Marks : 70
Pass Marks : 28

Time : 3 hours

The figures in the margin indicate full marks for the questions

Answer five questions, taking one from each Unit

UNIT-I

1. Critically analyze the human population growth through human history. What do you mean by doubling time? 12+2=14

2. Write short note on: 7x2=14

   a. Basic age pyramidal structures giving examples.

   b. Fallacies of Malthus theory of population.

UNIT-II

3. Define the relationship that exist between the forest and tribal's. Support your answer with any one case study of tribal's in India. Describe the various forms of stewardship shown by tribal's with examples. 2+6+6=14

4. Write short notes on: 7x2=14
   a. Distribution of tribal's in India and World
   b. Land tenure system of Tribal's

UNIT-III

5. What are the key aspects of traditional resource management? Provide examples of traditional resource management practices from North East region of India. What are the common challenges and threats for traditional resource management? 4+5+5=14

6. Write short notes on: 7x2=14
   a. Women's participation and conservation of natural resources in a rural landscape
   b. History of traditional water harvesting systems in India

UNIT-IV

7. Describe briefly on the history of urbanization. Add a note on urbanization in India with special reference to North East India. 8+6=14

8. Write short notes on: 7x2=14
   a. Cities as an importing ecosystem
   b. Sustainable city and urbanization

UNIT-V

9. Mention the difference between 'Disaster' and 'Emergency' situation. Mention the Institutional Framework and other important arrangements to tackle disasters in India. Add an elaborate note on the various components of disaster Management cycle. 2+6+6=14

10. Write short notes on: 7x2=14
    a. Major tropical cyclones or hurricanes or typhoons experienced across the world
    b. Tsunami

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