PG Even Semester Examination, May 2025

ECOLOGY & ENVIRONMENTAL SCIENCE

4th Semester

Course No. : ECG - 653 (EL-A)

(Human Ecology and Environmental Ethics)

Full Marks : 70

Pass Marks : 28

Time : 3 hours

The figures in the margin indicate full marks for the questions

(Answer any five questions, selecting one from each unit)

Unit - I

1. What do you mean by doubling time in human population growth? Critically analyze the Malthus theory of population growth highlighting the fallacies of the concept in the modern context. 2+6+6=14

2. Write short notes on the following : 7x2=14
   a) Mortality
   b) Population policy and family welfare

Unit - II

3. Define tribe. Write in details about the land tenure

(Turn Over)

system in tribal areas with special reference to N.E. India. 2+12=14

4. Write short notes on the following : 7x2=14

   a) Impact of industrialization on the tribal population in India.

   b) Land alienation due to urbanization.

Unit - III

5. State the factors that led to the adoption of various water harvesting systems prevalent in different regions of India. 14

6. Describe briefly about rural settlement. Discuss about the types and pattern of rural settlements. Write a note on the factors affecting the location of rural settlements. 2+6+6=14

Unit - IV

7. What are the ecological effects of urbanization? 'Cities as sustainable ecosystem' - Discuss. Write a note on ecological footprint of cities. 3+7+4=14

8. What do you mean by urbanization? Discuss briefly with suitable diagrammatic illustrations, various

theories and models related to urban pattern and structures. 2+12=14

Unit - V

9. Define ecocentrism. Explain the role of ecocentric views of indigenous communities in maintaining biodiversity. 6+8=14

10. Write short notes on the following : 7x2=14

    a) Biocentrism

    b) Anthropocentrism

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