

**CERTIFICATE IN  
ENVIRONMENTAL STUDIES**

**CES  
Assignment Booklet**

**(July 2022 – January 2023)**



**School of Social Sciences  
Indira Gandhi National Open University  
Maidan Garhi, New Delhi – 110 068**

## **CES ASSIGNMENT**

Dear Student,

You will have to do one Tutor Marked Assignment (TMA) in each of the courses in CES. Before attempting the assignments please read the instructions provided in the Programme Guide for CES.

**The last date of assignment submission is mentioned in each assignment.**

All Assignments must be **submitted in time** and they should be **sent to the Coordinator of your Study Centre**. You must mention your Enrolment Number, Name, Address, Assignment Code and Study Centre Code on the first page of the assignment.

**You must obtain a receipt from the Study Centre for the assignments submitted and retain it.** Also, keep a photocopy of the assignments with you.

**Sh. Ajay Mahurkar  
Programme Coordinator CES**

# ASSIGNMENT

(Tutor Marked Assignment)

Course Code: AHE-01  
Assignment Code: AHE-01/TMA/2022  
Maximum Marks: 100

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1. Differentiate between the following pairs: (10)
  - (i) Expansive and stationary population histograms
  - (ii) Food chain and Food web
  - (iii) Savanna and Tundra
  - (iv) Industrial wastes and Domestic wastes
  - (v) Parasitism and Predation
2. Write short notes on the following: (20)
  - (i) Bhopal gas tragedy
  - (ii) The three cell air circulation model for each hemisphere of earth to explain global circulation of air
  - (iii) Effect of air pollution on animals
  - (iv) Land as a non-living resource
3. (a) Discuss the harmful effects of plant protection chemicals and their effect on animals and human health. (5)
- (b) Diagrammatically depict the sulphur cycle. (5)
4. (a) List **any four** effects of urbanization on the environment and describe **any one** of them. (2+2=4)
- (b) Describe the steps involved in the primary and secondary treatment of sewage water in order to make it suitable for drinking purposes. (6)
5. (a) Differentiate between geological and accelerated erosion. (2)
- (b) Describe the **two** broad methods of processing and recycling industrial wastes. (6)
- (c) Differentiate between carcinomas and lymphomas. (2)
6. (a) Discuss the statement that “agricultural residues and agro-industrial wastes, in fact are no waste. All of them have some use or the other and in that sense they are resources whose conventional use needs to be upgraded and better usability fully harnessed”. (4)
- (b) Describe the role of Non Governmental agencies in environmental protection and management in India and the problems faced by them. (4)
- (c) Give the **two** aims of environmental conservation. (2)
7. (a) Briefly discuss the concept of the new global economic system for long term survival of the human race. (4)
- (b) Write about the Environment (Protection) Act of India, passed by the parliament on 23<sup>rd</sup> May, 1986. (4)
- (c) Why is the following statement a misconception? “Cities are polluted where as villages are not”. (2)

8. (a) Discuss how organic farming can be used for improving land quality. (6)
- (b) Explain why India became the cradle of cultural exchange between East, West, Central Asia and South East Asia? (4)
9. Write short notes on the following: (10)
- (i) Communicable diseases
- (ii) Solar energy

TS-5: ECOLOGY, ENVIRONMENT AND TOURSIM  
TUTOR MARKED ASSIGNMENT

Course Code: TS-5

Total Marks: 100

Assignment Code: TS-5/TMA/2022

Note: Attempt any five in about 600 words each. Each question 20 marks. Send your TMA to the Coordinator of your Study Centre.

1. Discuss the concept of environment and its conservation in the India philosophical tradition. 20
2. What do you understand by Ecosystem? Explain the different components of the ecosystem. 20
3. What are the different Biomes of India? How can the biomes be used as a tool for Tourism Promotion? 20
4. Define Biodiversity. Explain the relationship between Biodiversity and Tourism Industry with the help of example. 20
5. Differentiate between the following: 4X5=20
  - i) Abiotic and Biotic Environment
  - ii) Commensalism and Mutualism
  - iii) Temperate Deciduous Forests and Tropical Deciduous Forests
  - iv) Hill Tourism and Coastal Resorts
6. What is resource partitioning? Explain its ecological significance with the help of examples. 20
7. What do you understand by the term 'Community' and 'Regional Assets'? 20
8. Explain the inter-relationship between the two with the help of examples. 20
9. Discuss the impact of tourism activities on the Environments. Suggest possible ways to minimize negative environmental impact of tourism. 20

10. Write short notes on any two of the following:

2X10=20

- i) Multiplier Effect
- ii) Wetland
- iii) Carrying Capacity