


VIT

 Vellore Institute of Technology
Approved by the Government of Tamil Nadu, India, 1984
Final Assessment Test – November 2025

Course: UCHY101L - Environmental Science

Class NBR(s): 3500 / 3501

Time: Three Hours

Slot: D1

Max. Marks: 100

- KEEPING MOBILE PHONE/ANY ELECTRONIC GADGETS, EVEN IN 'OFF' POSITION IS TREATED AS EXAM MALPRACTICE
- DON'T WRITE ANYTHING ON THE QUESTION PAPER

COs	CO Statements
CO1	Identify causes and effects that affect natural resources evolve solutions to tackle the problems in a multi-disciplinary way.
CO2	Compare the various renewable energy resources for their efficient utilization
CO3	Design methods to conserve and protect biodiversity.
CO4	Remedial measures to the causes of environmental pollution, the hazards, their management and control methods.
CO5	Recognize social issues, their causes and effects on the environment .

BL – Blooms Taxonomy Level (1 – Remember, 2 – Understand, 3 – Apply, 4 – Analyse, 5 – Evaluate, 6 – Create)

 Answer ALL Questions

(10 X 10 = 100 Marks)

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| 1. | Explain the impact of deforestation on the economic, social, and ecological consequences of a forest-resources, with help of a case study. | CO1 | BL3 |
| 2. | Discuss the feasibility and long-term benefits of integrating solar energy in urban areas. Elaborate the various types of solar devices implemented in the society. | CO2 | BL3 |
| 3. | Explain the various types of biodiversity conservation techniques adopted in INDIA. | CO3 | BL3 |
| 4. | Air pollution is one of the most serious environmental problems in India today. Explain the main reasons behind this issue and suggest practical and affordable ways to reduce it without affecting the country's economic growth. | CO4 | BL2 |
| 5. | List the causes of acid rain and explain the consequences that harm the human beings and the environment. | CO3 | BL2 |
| 6. | Describe the salient features of wildlife protection and forest conservation act. | CO5 | BL2 |
| 7. | Explain the role of women and child welfare programmes in promoting sustainable development and environmental protection in India. | CO5 | BL2 |
| 8. | Explain the need for public awareness on protecting natural resources. | CO1 | BL3 |
| 9.a) | Write a brief note on Kyoto protocol and its significance. Explain the methods that are used for the long-term storage of carbon dioxide. | CO5 | BL3 |
| [OR] | | | |
| 9.b) | Suggest suitable solid waste management strategies for managing the solid wastes in (a) CMC hospital and (b) VIT hostels. | | |
| 10.a) | Explain how urban energy problems like high consumption and pollution affect natural resources. Recommend realistic steps that can be taken by companies, local authorities, and communities to reduce these impacts. | CO1 | BL3 |

[OR]

- 10.b) Describe the significance of population age structures on the development of different nations with relevant examples.

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