

Enrolment No. /Seat No.: _____

GUJARAT TECHNOLOGICAL UNIVERSITY
MCA INTEGRATED – SEMESTER VI- EXAMINATION –SUMMER-2025

Subject Code: 2668604

Date: 11/06/2025

Subject Name: Environmental Studies

Time:10:30 AM TO 01:00 PM

Total Marks: 70

Instructions:

1. Attempt all questions.
2. Make Suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.
4. Use of simple calculators and non-programmable scientific calculators are permitted.

- Q.1 (a) Define the following. 07**
- 1 Thermal pollution
 - 2 Abiotic component.
 - 3 Hydrosphere.
 - 4 Land degradation
 - 5 Acid rain
 - 6 Renewable energy
 - 7 Soil erosion.
- (b) Describe Water Resources. 07**
- Q.2 (a) Explain Scope and importance of Environmental Studies. 07**
- (b) Discuss causes and effects of deforestation. 07**
- OR**
- (b) What is global warming? Why is it considered to be one of the major global environmental issues?. 07**
- Q.3 (a) How the use of alternate energy sources can help environment? 07**
- (b) What are causes of land degradation? Narrate common pollutants responsible for causing land pollution. 07**
- OR**
- Q.3 (a) Write about three techniques that protect soil erosion. 07**
- (b) What is noise pollution? Describe the sources and effects of noise pollution.. 07**
- Q.4 (a) Discuss the cause and effects of industrial wastes. 07**
- (b) Write explanatory note on ozone layer depletion. 07**
- OR**
- Q.4 (a) Explain Solid waste Management in Details. 07**
- (b) Explain components of Eco system and their role. List any three ecosystem example.. 07**
- Q.5 (a) Write a short note on Sustainable development. 07**
- (b) Clarify the need of family welfare programs to control population explosion. 07**
- OR**
- Q.5 (a) Write a detail note on water related diseases. 07**
- (b) Explain the role of Information Technology in environment and human health. 07**
