

Enrolment No. /Seat No.: _____

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

Subject Code: 2668604

Date: 20/11/2025

Subject Name: Environmental Studies

Time:02:30 PM TO 05:00 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) What is environmental pollution? Discuss the importance of environmental studies. **07**
- (b) How to influence public to prevent climate change? **07**
- Q.2** (a) Define air pollution. Explain four major air pollutant and their consequences. **07**
- (b) Write a short note on natural resources. **07**
- OR**
- (b) What do you understand by water pollution? Suggest various remedial and control measures to minimize water pollution. **07**
- Q.3** (a) What is ecosystem? Explain the various components of an ecosystem structure. **07**
- (b) Discuss the given statement- 'The industrial developments have caused positive as well as negative impact on human health.' **07**
- OR**
- Q.3** (a) What is 'flow-of-energy' in ecosystem? How it is important for ecosystem? **07**
- (b) Write a short on solid waste management. **07**
- Q.4** (a) What is water-logging and salinity? Discuss their causes and also measures to minimize it. **07**
- (b) Explain water and oxygen cycle with diagram. **07**
- OR**
- Q.4** (a) Write a short note on Green House Effect. **07**
- (b) What are the causes and effect of deforestation? **07**
- Q.5** (a) Discuss the aims and objectives of 'Family- Welfare-Programmes' in detail. **07**
- (b) Explain the role of government and individuals in protecting the environment. **07**
- OR**
- Q.5** (a) Write a short note on: 1) Acid Rain 2) Environmental degradation. **07**
- (b) How to prevent population growth? **07**
