

Enrolment No. /Seat No.: _____

GUJARAT TECHNOLOGICAL UNIVERSITY
MCA INTEGRATED– SEMESTER VI- EXAMINATION –SUMMER-2024

Subject Code: 2668604

Date: 18/05/2024

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) Explain the multi-disciplinary nature of environmental studies **07**
(b) List out institutes and people (individuals) who works for environmental protection and environmental education in our country **07**
- Q.2** (a) What is global warming? Why is it considered to be one of the major global environmental issues? **07**
(b) What is resource? Describe land as a resource. **07**
- OR**
- (b) Explain the role of an individual in conservation of natural resources. **07**
- Q.3** (a) Define ecosystem. Explain the structure with suitable diagram and function of the ecosystem. **07**
(b) Explain briefly about disaster management **07**
- OR**
- Q.3** (a) Define and explain following terms: **07**
1. Floods
2. Earthquake
3. Cyclone
4. Landslides
(b) Explain how the use of alternate energy sources help in solving the crisis of energy resources. **07**
- Q.4** (a) Describe the causes and effects of Acid Rain. **07**
(b) Write a short note on: lithosphere and biosphere. **07**
- OR**
- Q.4** (a) Explain Environmental Laws in Details. **07**
(b) Draw and explain Nitrogen Cycle. **07**
- Q.5** (a) What is the role of an individual in prevention of pollution? Mention one way in which you would contribute to prevent air pollution. **07**
(b) Discuss a few points on effects and control measures of urban and industrial wastes **07**
- OR**
- Q.5** (a) What do you understand by sustainable development? **07**
(b) Explain how value education can contribute to Human Population and enriching the Environment. **07**
