

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY
MCA Integrated- SEMESTER-VI • EXAMINATION – SUMMER - 2017

Subject Code: 4460603

Date: 04/05/2017

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.

- Q.1** (a) What are Environmental studies? Discuss its scope and Importance **07**
(b) What is the role of individual in the conservation of natural resources? **07**
- Q.2** (a) Name any three well known thinkers and their contribution to save the environment. **07**
(b) What are forest resources? How are forests useful to mankind? **07**
- OR**
- (b) Define and explain following terms: **07**
Eutrophication
Ozone depletion
- Q.3** (a) What is hydro electric power and list its drawback. **07**
(b) What is resource? Describe land as a resource. **07**
- OR**
- Q.3** (a) What is solar energy? Explain different technological ways in which solar energy is used. **07**
(b) Describe in short (i) food security (ii) biosphere (iii) biomass energy **07**
- Q.4** (a) What is ecosystem? Explain the structure and functions of ecosystem. **07**
(b) What is soil erosion? Write about three techniques that protect soil erosion? **07**
- OR**
- Q.4** (a) What are producers consumers and decomposers? How producers consumers and decomposers are linked in the food chain? **07**
(b) What is pollution? Explain in brief types of pollution **07**
- Q.5** (a) Define and explain following terms: **07**
(i) Climatic change (ii) Acid rain
(b) Explain the role of Information Technology in environment and human health **07**
- OR**
- Q.5** (a) Explain disaster management in detail. **07**
(b) Define and explain following terms: **07**
(i) Water cycle (ii) mineral resource
