

GUJARAT TECHNOLOGICAL UNIVERSITY
MCA - SEMESTER– VI• EXAMINATION – WINTER - 2016

Subject Code: 4460603**Date: 26/10/2016****Subject Name: Environmental Studies****Time: 10:30 am to 1:00 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)** Define and explain following terms: **07**
1. Environment
 2. Renewable Energy
 3. Ecosystem
 4. Decomposer
 5. Tropical Forest
 6. Thermal Pollution
 7. BOD
- (b)** Write a short note on greenhouse effect. **07**
- Q.2 (a)** What are the Causes and effect of deforestation **07**
- (b)** Explain the various components of environment. **07**
- OR**
- (b)** Explain Carbon and Oxygen Cycle. **07**
- Q.3 (a)** Define population growth and discuss the factors affecting population growth. **07**
- (b)** Enlist conventional and nonconventional energy resources and explain their advantages and limitations. **07**
- OR**
- Q.3 (a)** Write a short note on global warming and Acid rain. Explain the effects of acid rain on environment. **07**
- (b)** Write a short note on water related diseases. **07**
- Q.4 (a)** Analyze relationship between environment and human health. **07**
- (b)** Describe nitrogen cycle with neat sketch. Write the significance of nitrogen in biotic components. **07**
- OR**
- Q.4 (a)** Discuss about effects of noise pollution and its control. **07**
- (b)** Write a short note on Rainwater Harvesting. **07**
- Q.5 (a)** Explain the causes of ozone layer depletion. Why 'Montreal Protocol' is called a successful international step? **07**
- (b)** What are causes of land Degradation? Narrate common pollutants responsible for causing land pollution **07**
- OR**
- Q.5 (a)** Explain the aim & objectives of Air (Prevention & control of pollution) Act 1981. **07**
- (b)** Explain environment (protection) act. **07**
