Seat No.:	Enrolment No.

Subject Code: 4460603

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

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. (a) Define and explain following terms: 07 0.1 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** What are the Causes and effect of deforestation **07** (a) Explain the various components of environment. **(b)** 07 OR **(b)** Explain Carbon and Oxygen Cycle. 07 **07** 0.3 Define population growth and discuss the factors affecting population growth. (a) (b) Enlist conventional and nonconventional energy resources and explain their **07** advantages and limitations. OR Q.3 (a) Write a short note on global warming and Acid rain. Explain the effects of acid 07 rain on environment. Write a short note on water related diseases. 07 **(b)** 0.4 07 (a) Analyze relationship between environment and human health. Describe nitrogen cycle with neat sketch. Write the significance of nitrogen in **(b)** 07 biotic components. OR Discuss about effects of noise pollution and its control. 07 0.4 (a) Write a short note on Rainwater Harvesting. 07 **(b)** Explain the causes of ozone layer depletion. Why 'Montreal Protocol' is called a 07 0.5successful international step? What are causes of land Degradation? Narrate common pollutants responsible **07 (b)** for causing land pollution OR (a) Explain the aim & objectives of Air (Prevention & control of pollution) Act **07** Q.5 1981. **(b)** Explain environment (protection) act. 07 ********

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