

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY

M. E. - SEMESTER – II • EXAMINATION – SUMMER • 2014

Subject code: 1724809

Date: 25-06-2014

Subject Name: Sustainable Environmental Planning

Time: 02:30 pm - 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.**

- Q.1** (a) Give the classification of ecology and explain the concept of ecosystem. **07**
(b) Enlist various water conservation techniques and explain any two in detail. **07**
- Q.2** (a) Discuss the classification and effects of water pollutants. **07**
(b) What are the factors affecting air pollution? Which preventive measures can be adopted for controlling air pollution? **07**
- OR**
- (b) What do you mean by land degradation? Which are the causes of land degradation **07**
- Q.3** (a) Write a note on Green buildings **07**
(b) Explain the importance of eco-friendly industrial location and factors affecting the planning of it. **07**
- OR**
- Q.3** (a) Discuss the abatement measures of air pollution due to automobiles. **07**
(b) Write a note on green residential clusters **07**
- Q.4** (a) Discuss the carbon credits environmental standards in India **07**
(b) Explain various steps followed in Life cycle analysis method used in environmental impact assessment **07**
- OR**
- Q.4** (a) Explain the clean development mechanism defined under Kyoto protocol of IPCC **07**
(b) Discuss the role and functions of GPCB and CPCB **07**
- Q.5** (a) Discuss the regulatory provisions for Green belt development in India **07**
(b) Explain the role and functions of Ministry of Environment and Forest. **07**
- OR**
- Q.5** (a) Explain the hazardous effects of noise pollution on humans and animals **07**
(b) Enlist various environmental acts and explain any two in detail **07**
