

GUJARAT TECHNOLOGICAL UNIVERSITY**M. E. - SEMESTER – II • EXAMINATION – WINTER • 2014****Subject code: 1724809****Date: 08-12-2014****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) Discuss the effects of air and noise pollution on humans. **07**
(b) Explain through a chart the structure of ecosystem. **07**
- Q.2** (a) Discuss the causes and effects of land pollution. **07**
(b) What do you mean by sustainable development? Discuss the principles of sustainable development. **07**
- OR**
- (b) Discuss the benefits of urban green spaces **07**
- Q.3** (a) What is Green building? Write a descriptive note about it. **07**
(b) Write a conceptual note on green residential clusters. **07**
- OR**
- Q.3** (a) Describe the sustainability checklist and multi-dimensional concept for environment. **07**
(b) Discuss the conservation techniques of water in domestic use. **07**
- Q.4** (a) Explain the objectives and scopes of environmental audit **07**
(b) Discuss the role and functions of MoEF and DoEF **07**
- OR**
- Q.4** (a) Describe pre and post audit steps of environmental auditing. **07**
(b) Discuss the functional differences between GPCB and CPCB **07**
- Q.5** (a) What is carbon credit? Discuss carbon credit standards in India. **07**
(b) Explain the project cycle of clean development mechanism **07**
- OR**
- Q.5** (a) Enlist various environmental acts implementing in India and explain the criteria of any one act. **07**
(b) Explain the concept of multidisciplinary environmental decision making **07**
