Seat No.:	Enrolment No.

GUJARAT TECHNOLOGICAL UNIVERSITY

BPLAN - SEMESTER 5- • EXAMINATION - SUMMER 2017

Subject Code: 1055506 Date: 10/05/2017

Subject Name: Sustainable Urban Development

Time: 02.30PM to 04.30PM **Total Marks: 50**

Instructions:

(b)

- 1. Attempt all questions.
- 2. Make suitable assumptions wherever necessary.
- 3. Figures to the right indicate full marks.
- 0.1 05 What are the three main pillars of sustainable development? Describe briefly. **(b)** Earth looks like suspended spaceship when viewed from moon discuss this 05 example with focus on ecological balance. How is ecological approach in planning different from traditional approach? **Q.2** 05 (a) **(b)** What are the program areas as identified in chepter-7 agenda-21 for 05 promoting sustainable human settlement. What are typical features of environmental managements in eco-city approach? 05 **(b)** 0.3 Density plays crucial role in sustainability of a settlement, discuss with example. (a) 05 What is an ecological approach to solid west management? 05 **(b)** OR Q.3 What is the current density of your city (PPHA) discuss the ideal den-city 05 (a) for a better living quality. 05 **(b)** Describe the cross section of a sanitary land fill site and discuss salient features. What is environmental audit? How can it help in controlling pollution? **Q.4** (a) 05 **(b)** Describe the point source & area/ line source pollution of air around us. 05 0.4 (a) Discuss the objectives of EIA (Environment impact Assessment)? 05 Describe the point source & area source pollution of water around us. 05 **(b)** 0.5 (a) How can a better land use & transportation integrated planning help for 05 sustainable development? Discuss the pollutants of air& norms of good quality air.

OR

- Q.5 (a) Describe the concept of transit oriented development for better pollution 05 management. 05
 - **(b)** Describe the parameters that govern water quality & acceptable range of the same.

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