

**GUJARAT TECHNOLOGICAL UNIVERSITY**  
**B.ARCH SEMESTER-IV • EXAMINATION – SUMMER 2014**

**Subject Code: 1045006****Date: 20/05/2015****Subject Name: Landscape Architecture****Time: 10:30am to 12:30pm****Total Marks: 50****Instructions:**

1. Attempt all questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.
4. Draw neat sketches wherever required

**Q.1** (a) What is Landscape? Define & Explain principles, objectives & significance of Landscape Architecture. **05**

(b) Describe ecology and ecosystem with suitable examples. **05**

**Q.2** Write short note on landscape design principles, landscape characteristics and landscape elements for the following historical gardens/ landscapes (**any 2**) **10**

- (a) Mughal Gardens
- (b) Chinese Gardens
- (c) English Gardens
- (d) Japanese Gardens

**Q.3** Write short note on the following: (**any 2**) **10**

- (a) Factors affecting the selection of planting material
- (b) Materials used for hard surfacing and soft surfacing in landscape
- (c) Microclimatic factors affecting landscaping
- (d) key benefits of native plants or local species in landscaping

**Q.4** (a) Enlist & explain elements of landscape architecture and elaborate their role and significance in landscaping. **05**

(b) What is environmental conservation? Describe its significance in Landscape design concepts. **05**

**Q.5** Explain with sketches following (**any 2**) **10**

- (a) Rain water harvesting
- (b) Soil conservation
- (c) Climate control

**OR**

**Q.5** Design a common open plot of 12m x 36 m for high end residential apartment Scheme situated in a posh locality. Draw plan & 2 sections of the landscaping showing vegetation, services, elements & street furniture. Assume that the COP has 6m wide peripheral road & G+5 Building on all sides. Consider that ground floor is reserved for parking **10**

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