

**GUJARAT TECHNOLOGICAL UNIVERSITY**

**B.Arch- SEMESTER-IV EXAMINATION – SUMMER 2025**

**Subject Code:1045006**

**Date:17-05-2025**

**Subject Name: Landscape Architecture**

**Time:10:30 AM TO 12:30 PM**

**Total Marks:50**

**Instructions:**

1. Attempt all questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.
4. Simple and non-programmable scientific calculators are allowed.

- Q.1** (a) What is Rain water harvesting? Explain its principle with sketches:- **10**
- Q.2** (a) What are the values and functions of soil? Explain the method to conserve existing soil on any construction site. **5**
- (b) What are the functions of Vegetation? Explain its conservation method. **5**
- Q.3** Explain **any five** with sketches:- **10**
- (a) Contour lines
- (b) Tree, shrubs and groundcovers
- (c) Mounds
- (d) Water body
- (e) Rock out crops
- (f) Swale
- Q.4** (a) What is contour line? Explain its importance in landscaping. **5**
- (b) What is scientific name? Explain its purpose in landscape profession. **5**
- Q.5** (a) How does selection of material and paving pattern play an important role in landscaping? Explain with examples:- **10**
- OR**
- (a) Explain the principle of **any two** with sketches:- **10**
1. Mughal Garden, 2. Chinese Garden, 3. Japanese Garden

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