

GUJARAT TECHNOLOGICAL UNIVERSITY**B.ARCH - SEMESTER-IV EXAMINATION – SUMMER 2021****Subject Code:2X45006****Date: 20/09/2021****Subject Name:Landscape Architecture****Time: 02:30PM to 04:30PM****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 do you understand by “Landscape Architecture”? How is the understanding of Landscape Architecture useful to Architects? **05**
- (b) What are the key principles of Landscape Architecture? Explain any 5 principle with appropriate sketch and example. **10**
- Q.2** (a) Discuss the works and design philosophy with examples of any one Landscape Architect of your choice. **08**
- (b) Explain the following terms: (**Any 3**) **06**
1. River Basin
 2. Native and exotic plant species
 3. Gully Plugs
 4. Soil erosion
- Q.3** Discuss the elements, characteristics and design philosophy of **any 2** of the following historical Landscape Gardens: **08**
1. French Gardens
 2. English Gardens
 3. Chinese Gardens
- Q.4** Answer the following (**any 2**) **10**
1. What is the importance of Landscape Lighting? Explain with examples.
 2. What are the micro-climatic factors affected by Landscape? How?
 3. Discuss water as an element of Landscape Design.
 4. Discuss plants as an element of Landscape Design.
- Q.5** Match the following: **03**
- | | |
|----------------|-------------------------|
| 1. Mango Tree | <i>Ficus religiosa</i> |
| 2. Peepal Tree | <i>Plumeria alba</i> |
| 3. Champa Tree | <i>Mangifera indica</i> |
