

Bachelor of Architecture Third Year First Semester 2025

Subject: LANDSCAPE ARCHITECTURE I

Time: Three hours

Full marks: 100

All questions carry equal marks.

Question no. 1 is compulsory. Answer any TWO from each of the sections I and II.

Blank pages left unnecessarily in the answer script will be discredited. Answers to a question/ or part of it shall not be split across the answer script.

1a. Expand the following in a sentence:

(5 x 1 =5)

(i) Patio; (ii) View shed; (iii) Tapis vert; (iv) Moon Gate; (v) Cascade

1b. Match the following:

(5 x 1 =5)

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|---------------------|-------------------------------|
| i. Repton | i. Sigiriya |
| ii. Villa Lante | ii. Moat |
| iii. Lion rock | iii. Central Park, NY |
| iv. Vaux Le Vicomte | iv. Red Book |
| v. Olmstead | v. Italian Renaissance Garden |

1c. Select and write the correct answer:

(10 x 1=10)

- _____ is a type of garden suitable for water-scarce areas.
- A sense of full spatial enclosure is obtained when a landform mass fills a cone of ____°.
- Annual rooftop RWH potential depends on _____, _____ and _____.
- Our national tree is _____ and West Bengal State tree is _____.
- The minimum slope of a vehicular ramp is _____ %.
- The street furniture used for protection of trees in urban areas are _____ and _____.

Section-I

(20 x 2= 40)

Answer any two:

- Identify the garden style/s from the following words and discuss a typical example of each style with suitable illustrations: (a) *chaddar*, (b) *grand canal* (10+10=20)
- Elaborate on the salient features of the English romantic landscape style with at least one example each from England and India (Kolkata). (14+6=20)
- Describe the concepts of traditional Indian gardens with respect to their types, layout, and landscape elements. (5+5+10=20)

Section-II

(20 x 2= 40)

Answer any two:

- Define planting rationale. Consider the open spaces of a housing complex of your choice/design and suggest a planting scheme for the same that should include different types of vegetation (trees, shrubs, ground covers, creepers, etc.). Offer appropriate justifications for your plant species selection. (3+7+10 = 20)
- If you have to incorporate water elements in the aforementioned design, which forms of water will you choose and why? Explain with plan, sections and views. (10+10 = 20)
- Draw and write short notes on: (i) Arbour and Bower (ii) seats and benches (iii) Grading (iv) Landscape materials. (5 x 4 = 20)