

Master of Architecture First Year Second Semester Examination, 2024**ADVANCED LANDSCAPE ARCHITECTURE**

Time: Three hours

Full Marks: 100

ANSWER ANY FIVE QUESTIONS. ALL QUESTIONS CARRY EQUAL MARKS.**NOTE: Credit will be given to gist and to-the-point answers with appropriate sketches and illustrations.**

- Blank and unused pages in between answers will be discredited.

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- 1a. What are the different types of ecological services? Elucidate the basic concepts of 'Design With Nature', with example/s. (6+14)
- OR
- 1b. Enumerate the core components of the City Biodiversity Index (CBI). Compare the CBI 2010 and CBI 2020 with respect to these components. (10+10)
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- 2a. Define the concept of urban space. Explain diagrammatically the key visual and spatial characteristics of urban space. (6+14)
- OR
- 2b. Write short notes on: (i). Outdoor furniture (ii). Grey and Green Infrastructure (10+10)
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- 3a. How can lighting contribute to the image of a city? Discuss the different lighting techniques recommended by the NLC 2010 for illuminating an urban structure. (6+14)
- OR
- 3b. Explain the environmental issues associated with incorrect lighting. Describe the possible remedial measures that may help minimizing the negative impacts. (10+10)
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- 4a. What is meant by Planting Rationale? Explain with the help of an example how we may apply it in devising planting scheme/s for a built project. (6+14)
- OR
- 4b. Outline the environmental and design strategies followed for tree plantation in the Chandigarh city with suitable sketches. 20
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- 5a. State the significance of landform in urban design. Explain the grading process for any two components of an urban area. (8+6+6)
- OR
- 5b. Expand and explain SUDS. Delineate the different options of storm water management in urban areas with suitable sketches. (5+15)
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- 6a. Express the role of urban greens. Elaborate the different types of urban green that contribute to urban livability. (6+14)
- OR
- 6b. Define a tree as specified in the WB Trees (P & C in non-forest areas) Act, 2006. Explain how trees may be used to combat urban environmental challenges. Name five suitable trees with high APTI for roadside plantation. (5+10+5)
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