

**BIRLA INSTITUTE OF TECHNOLOGY, MESRA, RANCHI
(MID SEMESTER EXAMINATION SP/2023)**

**CLASS: BARCH
BRANCH: ARCHITECTURE**

**SEMESTER : IV
SESSION : SP/2023**

**SUBJECT: AR253 SITE PLANNING AND LANDSCAPE ARCHITECTURE
TIME: 02 Hours**

FULL MARKS: 25

INSTRUCTIONS:

1. The question paper contains 5 questions each of 5 marks and total 25 marks.
 2. Attempt all questions.
 3. The missing data, if any, may be assumed suitably.
 4. Tables/Data handbook/Graph paper etc., if applicable, will be supplied to the candidates
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		CO	BL
Q.1(a)	What is a retaining wall?	[2] 2	1
Q.1(b)	What are the two main types of retaining wall? Explain with diagrams.	[3] 2	2
Q.2(a)	What is an edge condition?	[2] 1	2
Q.2(b)	With the help of a diagram, explain the difference between an open-trough and concealed-trough edge in a pool.	[3] 1	3
Q.3(a)	What are the different parameters of softscape used for planting design?	[2] 3	1
Q.3(b)	How does scale function as a parameter for choosing species for planting design?	[3] 3	4
Q.4(a)	Which properties determine the visual texture of a plant? Explain with conceptual diagrams.	[2] 2	2
Q.4(b)	Explain with conceptual diagrams, how texture functions as a relative parameter in planting design.	[3] 1	4
Q.5(a)	How are plants used for creating and altering microclimates?	[2] 2	4
Q.5(b)	Explain with schematic sections, how choice of plants influences visual and physical screening in a landscape design.	[3] 1	5

:22/02/2023:M