

**BIRLA INSTITUTE OF TECHNOLOGY, MESRA, RANCHI  
(MID-SEMESTER EXAMINATION MO/2024)**

**CLASS: B.ARCH  
BRANCH: ARCHITECTURE**

**SEMESTER :IX/ADD  
SESSION : MO/2024**

**SUBJECT: AR501 URBAN DESIGN**

**TIME: 02 Hours**

**FULL MARKS: 25**

**INSTRUCTIONS:**

1. The question paper contains 5 questions, each of 5 marks and a total of 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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Q.1(a)	Define the following: Urban Design. Discuss the scope of the Urban Design Project.	[2]	CO CO2	BL Understand
Q.1(b)	Any new development in an “Urban Design Exercise” should conserve monuments, groups of buildings, or sites of cultural importance, natural features, geological and physiographical formations and natural sites of national importance. For the above statement, critically analyse any existing “Urban Design Work” in a heritage site in India or globally. Support your answers with sketches.	[3]	CO1 & CO2	Analyze
Q.2(a)	Kevin Lynch, in his book “Image of the City”, has highlighted the attributes/aspects that create a mental image of the city/urban area. What are those attributes/aspects? Explain them with an example and sketch.	[2]	CO2	Understand, Analyze and Apply
Q.2(b)	Discuss the elements and principles of Urban Design with an example.	[3]	CO1 & CO2	Understand
Q.3(a)	Discuss the concept of “Urban Design” as proposed by Sir Ebenezer Howard. Which urban areas were designed based on this concept?	[2]	CO2	Understand
Q.3(b)	What is “Border Vacuums”? Eyes on the Streets and Mix-Use in Urban Areas are essential for healthy urban spaces. Who has given this theory, and what are the important conclusions drawn from the theory? Explain your answer with sketches.	[3]	CO1 & CO2	Understand and Analyze
Q.4(a)	Creating Inclusive Public Spaces is critical to a successful Urban Design Project. Comment on the statement and explain a successful example of inclusive public space in India.	[2]	CO1 & CO2	Understand and Analyze
Q.4(b)	What do you mean by the term “Placemaking in Urban Design”? What are the principles of Placemaking? Explain one successful example of Placemaking.	[3]	CO1 & CO2	Understand
Q.5(a)	How does Urban Design contribute to Sustainability?	[2]	CO2	Understand
Q.5(b)	Which of the following elements accurately represent features of the Urban Morphology of a town? i) Internal Structure and arrangement of towns ii) Arrangement of roads and buildings in towns iii) Functional zones within a region/district iv) History of development of country/region v) Land use Planning in towns. Select the most appropriate answer(s). Design an Urban Space integrating the 7Cs of Urban Design (Explain with sketches).	[3]	CO2 & CO3	Understand, Analyze and Apply