

**BIRLA INSTITUTE OF TECHNOLOGY, MESRA, RANCHI
(END SEMESTER EXAMINATION)**

**CLASS: BARCH
BRANCH: ARCHITECTURE**

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

SUBJECT: AR501 URBAN DESIGN

TIME: 3 Hours

FULL MARKS: 50

INSTRUCTIONS:

1. The question paper contains 5 questions each of 10 marks and total 50 marks.
 2. Attempt all questions.
 3. The missing data, if any, may be assumed suitably.
 4. Before attempting the question paper, be sure that you have got the correct question paper.
 5. Tables/Data hand book/Graph paper etc. to be supplied to the candidates in the examination hall.
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Q.1(a)	Define Urban Design. Briefly discuss the principles and elements of Urban Design with an example.	[5] 1	Understand
Q.1(b)	Discuss any two of the following with examples: i) Image of the City, ii) Inclusive Urban Design, iii) Sustainability in Urban Design, iv) Scope of Urban Design Project	[5] 1	Understand
Q.2(a)	Discuss the theory of Urban Design criticised by “Jane Jacobs” in her book “The Death and Life of Great American Cities”.	[5] 2	Understand & Analyze
Q.2(b)	Define the following: i) Urban Morphology, ii) Urban Texture, iii) Urban Fabric. Take an example and discuss the reasons for the morphological changes in an urban area with time.	[5] 2	Understand & Analyze
Q.3(a)	Discuss the significance of riverfront development. Discuss the following: i) Visual Survey and Physical Survey, ii) Urban Lighting and Urban Landscape, iii) Streetscape Design	[5] 3	Understand
Q.3(b)	Discuss Urban Renewal and its types. As per your class exercise, present an “Urban Renewal” case anywhere globally, highlighting the issues addressed, initiatives taken, and impact measured. Support your answer with sketches.	[5] 3	Understand & Analyze
Q.4(a)	Discuss the significance of a CBD in any Urban area. What are its characteristics and elements?	[5] 2	Understand
Q.4(b)	Explain Water Sensitive Urban Design. Discuss a successful example of Water Sensitive Urban Design across the Globe. Support your answer with sketches.	[5] 3	Understand & Analyze
Q.5(a)	Write short notes on any two of the following: i) AMRUT ii) HRIDAY iii) NULM IV) PMAY	[5] 2	Understand
Q.5(b)	Discuss any two of the following: i) Sectoral Model ii) Multiple Nuclei Model iii) Central Place Theory iv) Compact City	[5] 2	Understand

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