

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

**CLASS: MUP
BRANCH: ARCHITECTURE**

**SEMESTER : II
SESSION : SP/2025**

SUBJECT: AR657 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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		CO	BL
Q.1(a)	Outline the need for urban design. Enumerate the different spectra of urban design interventions.	[3+2] 1	2
Q.1(b)	Explain the following terms with suitable examples i) Urban Morphology ii) Urban Enclosure	[5]	1,2 2
Q.2(a)	Describe the major differences between Greek and Roman cities. List down the various growth points (nuclei) for medieval cities.	[3+2] 2	1,2
Q.2(b)	Enumerate how different urban morphologies affect how individuals visually perceive and mentally map cities.	[5]	1,2 3
Q.3(a)	Briefly describe the contributions of Camillo Sitte, Kevin Lynch, Jane Jacobs, Gordon Cullen and William Whyte in the field of urban design.	[5]	1 1,2
Q.3(b)	Discuss the social, spatial, and environmental consequences of centrifugal fragmentation on historically or culturally significant urban areas.	[5]	2 3
Q.4(a)	Enumerate how integrating character appraisal and ped-shed analysis can lead to more responsive, inclusive, and sustainable urban design outcomes.	[5]	2,3 4
Q.4(b)	Discuss the concept of perception and the key factors that influence it. Elaborate on the stages involved in the perceptual process.	[5]	2,3 3
Q.5(a)	Describe the significance of public spaces in urban environments and explain how triangulation enhances their usability and social vibrancy.	[5]	3 3
Q.5(b)	Describe the hierarchical classification of urban spaces according to their scale. Highlight the role this plays in the planning and designing of functional public environments.	[5]	1,3 2,3

:::28/04/2025:::E