

BIRLA INSTITUTE OF TECHNOLOGY, MESRA, RANCHI
(MID SEMESTER EXAMINATION)

CLASS: B.ARCH
BRANCH: ARCHITECTURE

SEMESTER : I
SESSION : MO/2025

SUBJECT: AR101 PRINCIPLES OF 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)	Discuss the design process using a flowchart.	[2]	1 Understand
Q.1(b)	How did Vitruvius, the Roman architect, define building?	[3]	1 Remember
Q.2(a)	Who is an architect? Under which Act there are registered as a professional body?	[2]	1 Remember
Q.2(b)	How does the teaching in the architecture curriculum include the complexity and openness to mimic real-world problems?	[3]	2 Apply
Q.3(a)	How do transformation principles help in the design process?	[2]	3 Apply
Q.3(b)	Mention at least six elements of design.	[3]	2 Remember
Q.4(a)	Mention at least four ordering principles that help the designer in the design process.	[2]	2 Remember
Q.4(b)	Discuss the following: 1. spatial tension 2. edge-to-edge contact 3. face-to-face contact	[3]	2 Understand
Q.5(a)	Discuss the radial grid and orthogonal grid with the help of a sketch.	[2]	2 Remember
Q.5(b)	How does a designer use a different form of spatial organisation of different forms?	[3]	2 Understand

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