Enrolment	No.
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SARVAJANIK UNIVERSITY

S-2025 Date: 01-07-25 Time: 09:30 AM to 11:30 AM	4
Interim Backlog Exam	1
B.ID - SEMESTER- II EXAMINATION Course Code: BIID31202 To Course Name: Building Materials, Systems and Environmental Str Instructions: 1. Attempt all questions. 2. Make suitable assumptions wherever necessary. 3. Figures to the right indicate full marks. 4. Draw sketches wherever needed. Q.1. Do as directed (attempt all questions)	otal Marks: 50 udies.
1. Width of wooden lintel =	IU Mai Ks
2. Truss transfer load by bending & shear. (True/False)	
3. The lime prevents shrinkage of raw bricks. (True/False)	
4. Oxide of iron is chief constituent of good brick earth. (True/False)	
5. Modulus of elasticity is given by equation = Stress / strain (True/F	False)
6. In the given list below which Factors affect the Climate?	
a) Latitude b) Ocean Currents c) Prevailing Winds d) All of Abor	ve
7. A good brick earth should contain 50 to 60% silica. (True/False)	
8. A first-class brick should not absorb water more than $20 - 22\%$ by	weight. (True/False)
9 is the vertical elevation of an object above a sur	face (such as sea
level or land)	(C) .
10 are the Sloped wood members that support the roof structu	re.
Q.2 Answer the following in brief (Any 2)	10 Marks
1. Enlist the qualities of good brick.	

- 2. Explain defects in brick masonry.
- 3. Enlist the key component of wooden staircase and define any one component
- 4. Explain with example Macro and Micro climate

Q.3. Answer in Detail (Any 2)

20 Marks

- 1. Classify various types shell structure.
- 2. Explain Ashlar masonry in detail with sketches.
- 3. Explain the function of the window. Enlist the parts window. Enlist the type of window.

Q.4. Answer the following (Any 2)

10 Marks

- 1. Draw various types of trusses with span.
- 2. Explain Square Rubble masonry in detail.
- 3. Draw & label the double shutter wooden frame detail.

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4. Draw the sketch & label of wooden stud wall framing detail