

**GUJARAT TECHNOLOGICAL UNIVERSITY**

**BID- SEMESTER-I EXAMINATION – WINTER 2024**

**Subject Code:2X15104**

**Date:26-12-2024**

**Subject Name: Interior Material & Technology-I**

**Time:10:30 AM TO 01:30 PM**

**Total Marks:40**

**Instructions:**

1. **Attempt all questions.**
2. **Make suitable assumptions wherever necessary.**
3. **Figures to the right indicate full marks.**
4. **Simple and non-programmable scientific calculators are allowed.**

		<b>Marks</b>
<b>Q.1</b>	(a) Give definition of: Plinth, Lintel, Foundation, Sill.	<b>04</b>
	(b) Differentiate with necessary sketches: random rubble masonry and ashlar masonry.	<b>02</b>
<b>Q.2</b>	(a) Draft odd and even courses along with elevation of one and half brick English bond.	<b>10</b>
	<b>OR</b>	
<b>Q.2</b>	(a) Draw plans and elevations one brick and one and half brick Flemish bond with necessary drawings.	<b>10</b>
<b>Q.3</b>	(a) Give the difference between shallow foundation and deep foundation with necessary sketches.	<b>05</b>
	<b>OR</b>	
<b>Q.3</b>	(a) Explain advantages of hollow concrete block masonry.	<b>05</b>
<b>Q.4</b>	(a) Explain Types of mud Construction with sketches.	<b>05</b>
	(b) Give different typology of stone according to their geological properties.	<b>05</b>
<b>Q.5</b>	(a) Give definition: Quoin, queen closer, Jambs, corbel	<b>04</b>
<b>Q.6</b>	(a) Explain the difference between English bond and Flemish bond.	<b>05</b>
	<b>OR</b>	
	(a) Draw 4 types of Hollow concrete blocks with their material and usage.	<b>05</b>

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