

**BIRLA INSTITUTE OF TECHNOLOGY, MESRA, RANCHI**  
**(MID SEMESTER EXAMINATION MO/2023)**

**CLASS: B.ARCH.**  
**BRANCH: ARCHITECTURE & PLANNING**

**SEMESTER : I**  
**SESSION : MO/2023**

**SUBJECT: AR102 PRIMARY BUILDING MATERIALS**

**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 operation of preparation of clay for the manufacture of bricks.	[2] 1	2
Q.1(b)	What are the constituents of good brick earth?	[3] 1	1
Q.2(a)	Describe the two ways of moulding of bricks?	[2] 2	1
Q.2(b)	State the harmful ingredients in brick earth.	[3] 1	1
Q.3(a)	How are brick dried?	[2] 2	1
Q.3(b)	Discuss the process of burning bricks in clamps.	[3] 2	2
Q.4(a)	Give sketches of Intermittent Kiln.	[2] 1	2
Q.4(b)	Write short notes on: a. Tempering b. Frog	[3] 1	1
Q.5(a)	Discuss the geological classification of rocks.	[2] 1	1
Q.5(b)	What are the qualities of a good building stone? Discuss them.	[3] 1	2

:::::17/10/2023:::::