

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

**CLASS: BTECH
BRANCH: CIVIL**

**SEMESTER: III
SESSION: MO/2023**

SUBJECT: CE204 BUILDING MATERIALS & CONSTRUCTION

TIME: 2 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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| Q1 | (a) | Why dressing of stone is done? | [2] |
| Q1 | (b) | Why silica content is present in brick earth? | [3] |
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| Q2 | (a) | What are the types of Lime? | [2] |
| Q2 | (b) | What is the role of lime in cement? | [3] |
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| Q3 | (a) | What is the role of sand in cement sand mortar? | [2] |
| Q3 | (b) | How fiber boards are made? | [3] |
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| Q4 | (a) | What are the uses of fiber boards? | [2] |
| Q4 | (b) | Why compressive strength of brick is found? | [3] |
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| Q5 | (a) | What do you mean by substructure & superstructure? | [2] |
| Q5 | (b) | Why we need foundation for building? | [3] |

*******26/09/2023 E*******