

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

**CLASS: BE
BRANCH: CIVIL**

**SEMESTER: III
SESSION : MO/2019**

SUBJECT : CE204 BUILDING MATERIALS AND CONSTRUCTION

TIME: 2.00 HOURS

FULL MARKS: 25

INSTRUCTIONS:

1. The total marks of the questions are 25.
2. Candidates may attempt for all 25 marks.
3. Before attempting the question paper, be sure that you have got the correct question paper.
4. The missing data, if any, may be assumed suitably.

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- Q1 (a) Discuss the characteristics of a good building stone. [2.5]
Q1 (b) Discuss the Absorption Test on stones. [2.5]
- Q2 (a) Describe the process of performing Efflorescence Test on bricks. [2]
Q2 (b) Discuss the ingredients of good brick earth and their functions. [3]
- Q3 Describe the process of Tempering, Moulding and Drying of clay bricks. [5]
- Q4 (a) Discuss about the different chemicals used in preservation of timber. [2]
Q4 (b) Discuss the different methodologies of timber seasoning. [3]
- Q5 (a) Describe the composition of cement clinker. [2.5]
Q5 (b) Describe the importance and method of performing Soundness Test of cement. [2.5]

:::: 26/09/2019E ::::