

BIRLA INSTITUTE OF TECHNOLOGY, MESRA, RANCHI  
(END SEMESTER EXAMINATION)

CLASS: BTECH  
BRANCH: CIVIL

SEMESTER : III  
SESSION : MO/19

SUBJECT: CE204 BUILDING MATERIALS AND CONSTRUCTION

TIME: 3.00Hrs.

FULL MARKS: 50

**INSTRUCTIONS:**

1. The question paper contains 5 questions each of 10 marks and total 50 marks.
  2. Attempt all questions.
  3. The missing data, if any, may be assumed suitably.
  4. Before attempting the question paper, be sure that you have got the correct question paper.
  5. Tables/Data hand book/Graph paper etc. to be supplied to the candidates in the examination hall.
- 

- Q.1(a) Write chemical, mineralogical and physical analysis of brick. [5]  
Q.1(b) How burning of brick can be done? [5]
- Q.2(a) Write the characteristic of good stones and their tests. [5]  
Q.2(b) Write about the suitability of wood. [5]
- Q.3(a) Write about physical properties of wood. [5]  
Q.3(b) What are the types of brick bond? [5]
- Q.4(a) Compare between brick masonry and stone masonry. [5]  
Q.4(b) Write about defects in brick masonry. [5]
- Q.5 Write about simplex pile and Franki Pile. [10]

:::::06/12/2019M:::::