

JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, WAKNAGHAT

TEST-3 EXAMINATION, JUNE-2016

B.Tech Civil Engineering II Semester

COURSE CODE: 11B11CE211

MAX. MARKS: 35

COURSE NAME: Building Materials and Construction

COURSE CREDITS: 4

MAX. TIME: 2 HRS

Note: All questions are compulsory. Marks are indicated against questions.

Carrying of mobile phone during examinations will be treated as case of unfair means.

1. What are the desirable properties of materials for damp proofing? Explain various types of rigid and flexible damp proofing materials. [6]
2. What are terrazzo, mosaic and marble flooring? Give their stepwise method of construction. [6]
3. What are franki, vibro and raymond piles? Discuss their methods of driving with the help of suitable diagrams. [6]
4. What are raft and grillage foundation? Discuss the types of grillage foundation with their method of construction. Write down the advantages and disadvantages of raft foundation. [6]
5. Give any ten requirements of a good staircase and also write the technical specifications of reinforced brick lintel and reinforced concrete lintel. [6]
6. Write short note on the following with the help of suitable diagrams : [5]
 - (i) Battened, ledged and framed door, and
 - (ii) Double hung window.
