

Dr Saurav

JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, WAKNAGHAT

MID TERM TEST

SUMMER SEMESTER - JUNE 2018

B.Tech 2nd Semester

COURSE CODE: 11B11CE211

MAX. MARKS: 50

COURSE NAME: BUILDING MATERIALS AND CONSTRUCTION

COURSE CREDITS: 04

MAX. TIME: 2 Hrs

Note: All questions are compulsory. Carrying of mobile phone during examinations will be treated as case of unfair means.

Q1. Write Comparative study between clamp burning and Kiln burning. (7)

Q2. What are the qualities of good bricks? (7)

Q3. What are the important properties of cement? Also explain then composition of ordinary cement. (8)

Q4. Discuss at length the modern manufacturing process of ordinary cement. (7)

Q5. Differentiate between the following. (15)

i) Natural cement and artificial cement

ii) Dry process and wet process

iii) Initial setting time and final setting time

iv) Ball mill and tube mill

v) Second class brick and third class brick

Q6. Write short notes on any two of the following (6)

a) Tempering

b) Frog

c) Fineness test

d) Soundness test