

JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, WAKNAGHAT

TEST -1 EXAMINATION- Feb- 2018

B.Tech II Semester

COURSE CODE: 11B11CE211

MAX. MARKS: 15

COURSE NAME: BUILDING MATERIALS AND CONSTRUCTION

COURSE CREDITS: 4

MAX. TIME: One Hr

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

Q1. Explain **any three** of the followings.

3 × 2 = 6

- a) Why alkalies are treated as harmful ingredients in the manufacturing of bricks?
- b) Importance of Bogue's compound and its chemical compositions
- c) Defects in bricks.
- d) Why gypsum is added in the manufacturing of cement?

Q2. With neat and labeled diagrams explain the brick making process.

6

Q3. Draw flow chart of dry process and wet process of cement manufacturing.

1.5 × 2 = 3