

JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, WAKNAGHAT

TEST -1 EXAMINATION- 2023

B.Tech-III Semester (CE)

COURSE CODE (CREDITS): 18B11CE313 (3)

MAX. MARKS: 15

COURSE NAME: BUILDING MATERIALS & CONSTRUCTION

COURSE INSTRUCTORS: AKASH BHARDWAJ

MAX. TIME: 1 Hour

---

*Note: (a) All questions are compulsory.*

*(b) Marks are indicated against each question in square brackets.*

*(c) The candidate is allowed to make Suitable numeric assumptions wherever required for solving problems*

---

Q1. Write short notes on-

(i) Aspect as planning principle.

(ii) Residential Building.

(iii) Parapet wall. [3 marks, CO 2]

Q2. Enlist the various loads acting on a building. Explain any two of them. [3 marks, CO 2]

Q3. Discuss the following in context of construction materials-

(i) Concrete (ii) Timber [2 marks, CO 1]

Q4. Enlist the factors on which choice of a building material depends? [2 marks, CO 1]

Q5. Draw the neat and clean figures for sloped footing and stepped footing of a column.

[2 marks, CO 2]

Q6. Differentiate between load bearing structures and framed structures with suitable examples.

[3 marks, CO 1,2]

\*\*\*\*