

JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, WAKNAGHAT

TEST -2 EXAMINATION- 2024

B.Tech-III Semester (CE)

COURSE CODE (CREDITS): 23B11CE316 (3)

MAX. MARKS: 25

COURSE NAME: BUILDING MATERIALS AND CONSTRUCTION

COURSE INSTRUCTORS: AKASH BHARDWAJ

MAX. TIME: 1 Hour 30 Minutes

Note: (a) All questions are compulsory.

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

Q.No	Question	CO	Marks
Q1	Enlist the classification of buildings based on their occupancy. Explain any two.	CO 2	3
Q2	What are the various kinds of load act on a building? Explain any one. Draw aspect planning principle figure for a residential building.	CO 2	4
Q3	Draw neat and clean figure of door frame showing its various components. Define Mullion. Write short notes on Bay window.	CO 3	4
Q4	Describe under reamed pile foundation with figure. Enlist various failures in building due to wind effects.	CO 2	3
Q5	Explain Seismic refraction method of Soil exploration with figure.	CO 1	3
Q6	Draw rowlock and sailor orientation of brick. Differentiate between Queen closure and King closure in bricks.	CO 1,2	4
Q7	Discuss process and results of water absorption test and efflorescence test on bricks.	CO 1	4