

JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, WAKNAGHAT

TEST -2 EXAMINATIONS - 2022

B.Tech-III Semester (Civil)

COURSE CODE (CREDITS): 18B11CE313 (3)

MAX. MARKS: 25

COURSE NAME: BUILDING MATERIALS & CONSTRUCTION

COURSE INSTRUCTORS: AKASH BHARDWAJ

MAX. TIME: 1 Hour and 30 Minutes

Note: All questions are compulsory. Marks are indicated against each question in square brackets.

- Q1. (a) Write the major causes and effects of dampness in a building. (2 marks)
(b) Describe briefly any two methods which can be adopted to construct a damp proof building. (3 marks) [CO 3]
- Q2. Define leaching. Describe open excavation method adopted for soil investigation. (3 marks) [CO 3]
- Q3. Write short notes on Geophysical methods of soil exploration. (2 marks) [CO 3]
- Q4. (a) Draw soldier and shiner orientation of a brick. (2 marks)
(b) Explain absorption test on bricks. (2 marks) [CO 3]
- Q5. Draw neat and clean figure showing English and Flemish bond in brick masonry. Explain any one of them with their use. (4 marks) [CO 2]
- Q6. What is Cantilever scaffolding? Why is it used in building construction? (2 marks) [CO 4]
- Q7. (a) Write classification of building based on its occupancy. Explain any two. (3 marks)
(b) Draw plan and elevation for combined footing of two columns. (2 marks) [CO 2]
