

JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, WAKNAGHAT

TEST -1 EXAMINATIONS-2022

B.Tech-III Semester (Civil)

COURSE CODE (CREDITS): 18B11CE313 (3)

MAX. MARKS: 15

COURSE NAME: BUILDING MATERIALS & CONSTRUCTION

COURSE INSTRUCTORS: AKASH BHARDWAJ

MAX. TIME: 1 Hour

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

- Q1. (a) Explain the factors on which selection of the building material depends. (1 mark)  
(b) Explain framed structure in building construction. (1 mark)  
[CO-1]
- Q2. (a) Differentiate between stratified and un-stratified rocks with examples. (2 marks)  
(b) What is dressing of stones? Explain any one type of dressing. (1 mark)  
[CO-1]
- Q3. Explain any two causes of foundation failure. Draw plan and elevation of stepped foundation for a column. (3 marks)  
[CO-2]
- Q4. What are the various components of Door frame? Explain them with figure. (3 marks)  
[CO-2]
- Q5. Define quarrying of stones. What are the factors responsible for selection of a quarrying site? (2 marks)  
[CO-1]
- Q6. What are the various loads acting on a building? Explain any two. (2 marks)  
[CO-2]
- OR
- Q6. Define Aspect in planning principles of building with figure. (2 marks)  
[CO-2]

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