10/02/26

JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, WAKNAGHAT

TEST -1 EXAMINATION- 2026

B.Tech-IV Semester (CE)

COURSE CODE (CREDITS): 25B11CE413 (3) MAX. MARKS: 15

COURSE NAME: CIVIL ENGINEERING MATERIALS

COURSE INSTRUCTOR: Akash Bhardwaj MAX. TIME: 1 Hour

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

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

(c) Use of calculators is not allowed

Q.No	Question	CO	Marks
Q1	(a) Discuss the objectives of classifying construction materials in civil engineering practice. Write down any one classification.	CO 1	2
	(b) Explain how durability, strength and workability affect the choice of building material.	CO 1	2
Q2	Discuss different methods of quarrying and state where each method is suitable.	CO 4	3
Q3	With the help of a neat sketch, explain the orientation of bricks in a wall (stretcher, header, soldier and rowlock).	CO 4	3
Q4	What are brick bats? Where are they used? Illustrate any two with figure.	CO 1	3
Q5	Describe efflorescence laboratory test on bricks and its significance.	CO 1	2

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