

**BIRLA INSTITUTE OF TECHNOLOGY, MESRA, RANCHI
(END SEMESTER EXAMINATION)**

**CLASS: BARCH/BTECH
BRANCH: ARCHITECTURE/MECHANICAL**

**SEMESTER : IV
SESSION : SP/2024**

SUBJECT: CE427 BUILDING CONSTRUCTION - OPEN ELECTIVE I

TIME: 3 Hours

FULL MARKS: 50

INSTRUCTIONS:

1. The question paper contains 5 questions each of 10 marks and total 50 marks.
 2. Attempt all questions.
 3. The missing data, if any, may be assumed suitably.
 4. Before attempting the question paper, be sure that you have got the correct question paper.
 5. Tables/Data hand book/Graph paper etc. to be supplied to the candidates in the examination hall.
-

		CO	BL
Q.1(a)	Why site investigation is done for building construction?	[5] 1	1
Q.1(b)	Where we use mat foundation in building construction?	[5] 2	1
Q.2(a)	What do you mean by bond in brick masonry?	[5] 1	2
Q.2(b)	Where stone masonry is used?	[5] 2	2
Q.3(a)	What do you mean by centering and shuttering?	[5] 1	3
Q.3(b)	What is shoring?	[5] 1	3
Q.4(a)	Differentiate between roof & floor.	[5] 4	5
Q.4(b)	Classify pitched roof	[5] 4	4
Q.5(a)	Illustrate method of plastering	[5] 3	5
Q.5(b)	What do you mean by pointing?	[5] 1	5

:::30/04/2024:::M