

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

CLASS: BTECH/BARCH
BRANCH: BT/CHEMICAL/CSE/EEE/ECE/MECH/PIE/ARCH

SEMESTER : IV
SESSION : SP/2023

SUBJECT: CE427 BUILDING CONSTRUCTION

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.
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| Q.1(a) | What is the role of depth of foundation? | [5] |
| Q.1(b) | How the bearing capacity of soil is affected due to moisture? | [5] |
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| Q.2(a) | What are the materials used in brick masonry? | [5] |
| Q.2(b) | What do you mean by bond in brick masonry? | [5] |
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| Q.3(a) | In which case underpinning is essential? | [5] |
| Q.3(b) | What do you mean by scaffolding? | [5] |
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| Q.4(a) | What are the classification of pitched roof? | [5] |
| Q.4(b) | What are the steps involved for construction of floors? | [5] |
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| Q.5(a) | How the uniform surface of plaster is achieved? | [5] |
| Q.5(b) | What do you mean by pointing? | [5] |

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