

Seat No. **OCT-NOV 2025 WINTER EXAMINATION****11731 Bachelor of Technology (NEP-2.0)****Sub. Name: Building Construction(CIVIL)****Sub. Code: 114410/112337****Day and Date: Wednesday,10-12-2025****Total Marks: 60****Time: 02:30 PM To 05:00 PM**

- Instructions:**
- 1. All questions are compulsory**
 - 2. Assume suitable data wherever necessary and mention it boldly**
 - 3. Draw neat labelled diagrams wherever necessary**
 - 4. Figures to the right indicate full marks**

- Q1) Solve any three. [15]**
- a. Describe the standard structural steel sections used in construction. [5]**
 - b. State the functions of various components of a building. [5]**
 - c. Enlist various types of brick masonry. Draw any two with suitable sketch [5]**
 - d. Explain different types of tiles used in buildings [5]**
- Q2) Solve all questions. [15]**
- a. Explain the classification of doors with neat sketch. [5]**
 - b. Write a short note on flush doors. Explain their construction and applications [5]**
 - c. Discuss various fixtures and fastenings used in windows [5]**
- Q3) Solve all questions. [15]**
- a. Describe the various types of stairs used in buildings with suitable sketches. [5]**
 - b. What are the requirements of a good stair? Discuss in detail. [5]**
 - c. Write a short note on escalators and their advantages. [5]**
- Q4) Solve any three [15]**
- a. Explain the common terms used in roofing with neat sketches [5]**
 - b. Explain different types of steel trusses and state their suitability for various spans. [5]**
 - c. Explain flat slab construction, its advantages, and its suitability [5]**

d. Describe pitched roofs and explain their various types with sketches.

[5]

End Of Question Paper

Important Note for Chief Exam Officer / SRPD Coordinator / Sr Supervisor/ Student -

This Question Paper may be distributed for following Subjects as common code.

सदरची प्रश्नपत्रिका खालील विषयांकरिता वितरित करता येईल.

1] (1154) B.Tech. CBCS (114410) Building Construction(CIVIL) Part 2 SEM 3

2] (11731) Bachelor of Technology (NEP-2.0) (112337) Building Construction(CIVIL) Part 2 SEM 3