

Seat No. **OCT-NOV 2025 WINTER EXAMINATION****11731 Bachelor of Technology (NEP-2.0)****Sub. Name: Building Construction****Sub. Code: 114404/112331****Day and Date: Thursday ,18-12-2025****Total Marks: 60****Time: 02:30 PM To 05:30 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. Drawings must be drawn to the given scale**
  - 5. Figures to the right indicate full marks**

- Q1) Solve any three. [15]**
- a. What are the requirements of good building stone? List the different types of stone giving their suitability in construction works. [5]**
  - b. List all the basic requirements of building & explain any four in detail. [5]**
  - c. What is composite masonry? List the types of composite masonry with their use. [5]**
  - d. List the ingredients of concrete and explain their functions. [5]**
- Q2) Draw sectional plan and Elevation for a T.W. Framed Panelled window with following data: [15]**
- a) Clear opening: 900 X 1200 mm: b) Frame size: 75 X 100 mm: c) No of shutters: 2 Nos**
  - d) No Panels: 4 Assume suitable data.**
- Q3) Design and draw the plan and sectional elevation of R.C.C. Dog legged stair case for building for following data- [15]**
- a) Storey height -3.50 m ; b) Width of stair – 1.40m**
- Q4) Solve any three [15]**
- a. Discuss the various factors which require to consider while selecting a flooring material for a building. [5]**
  - b. Write Advantages and Disadvantages of flat roofs. [5]**
  - c. Differentiate between king post truss and queen post truss. [5]**
  - d. Explain requirements of good roof. [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] (11731) Bachelor of Technology (NEP-2.0) (112331) Building Construction Part 2 SEM 3
- 2] (1154) B.Tech. CBCS (114404) Building Construction Part 2 SEM 3

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