



**End Term (Odd) Semester Examination November 2025**

Roll no.....

Name of the Course and semester: Diploma Civil Engineering /3<sup>rd</sup> Sem

Name of the Paper: Building Construction

Paper Code: DTCE 302

Time: 3-hour

Maximum Marks: 100

**Note:**

- (i) All the questions are compulsory.
- (ii) Answer any two sub questions from a, b and c in each main question.
- (iii) Total marks for each question are 20 (twenty).
- (iv) Each sub-question carries 10 marks.

Q1.

(2X10=20 Marks) CO1

- a. Write the application of stone masonry. Also explain its types.
- b. Explain the process of manufacturing bricks. Write about the different field tests performed for bricks
- c. What are the different uses of timber? Write down the characteristics of good timber

Q2.

(2X10=20 Marks) CO2

- a. What do you understand by foundation? Explain the necessity of providing foundation.
- b. Explain with suitable diagram about the different types of foundation.
- c. What do you understand by undreamed piles? How bearing capacity is determined in it

Q3.

(2X10=20 Marks) CO3

- a. Explain about door with suitable diagram. Explain Terminologies in Doors
- b. Draw stairs also explain all the components.
- c. Write about the different types of stairs also draw the diagram.

Q4.

(2X10=20 Marks) CO4

- a. What do you understand by flooring? Explain the process of flooring in detail.
- b. Explain the different types of flooring.
- c. Write about the following roofing materials
  - (i) A C Sheets
  - (ii) GI Sheets.
  - (iii) Fibre Sheets
  - (iv) Steel trusses



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Q5.

(2X10=20 Marks) CO5

- a. What do you understand by plastering? Explain Necessity of plastering.
- b. Write about different types of plastering adopted in construction. Explain Defects in plastering
- c. What do you understand by Ponting ? Explain its necessity and procedure?