



## 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 Drawing

Paper Code: DTCE 303

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)

- a. List and explain the various types of materials used in building construction, along with their common uses and properties. (CO 1)
- b. What are conventional signs and symbols? What are the purposes of conventional sign & symbols? (CO 1)
- c. Define tracing and how the ammonia prints are prepared. (CO 1)

Q2.

(2X10=20 Marks)

- a. Explain the role and necessity of building byelaws of local governing authorities. (CO 2)
- b. Discuss in details principles of planning of residential building. (CO 2)
- c. Prepare a line plan for a single-storey residential building having basic facilities. (CO 2)

Q3.

(2X10=20 Marks)

- a. Define building drawing and explain the importance of different types of drawings used in building construction. (CO 3)
- b. Define location plan and site plan. State the importance of location plan and site plan in civil engineering drawing. (CO 3)
- c. Draw to suitable scale elevation of a door. (CO 3)

Q4.

(2X10=20 Marks)

- a. Explain the different types of brick bonds used in masonry construction. Illustrate each type with neat sketches and discuss their relative merits and demerits. (CO 4)
- b. Draw the plan for 1 ½ brick Flemish bond. (CO 4)
- c. Draw the plan for 1 brick English bonds. (CO 4)



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- Q5. (2X10=20 Marks)
- Draw and describe the details of a basement in a building. Indicate the arrangement of the floor, walls, DPC, ventilation, and waterproofing measures adopted to prevent moisture entry. (CO 5)
  - What is DPC and give its Types with its importance. (CO 5)
  - Discuss Perspective Drawing in detail and explain different types of Perspective drawings. (CO 5)