

CF 1562
G 1562

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Reg. No.....

Name.....

B.TECH. DEGREE EXAMINATION, MAY 2015

Fourth Semester

Branch : Civil Engineering

CE 010 406—CIVIL ENGINEERING DRAWING (CE)

(New Scheme—2010 Admission onwards)

[Regular/Improvement/Supplementary]

Time : Three Hours

Maximum : 100 Marks

*Select suitable scale for drawing indicating the same.
Assume suitable data wherever needed, stating the same.
Marks will be given for neatness.
Drawing sheet will be supplied.*

Part A

*Answer any **one** question.
The question carries 30 marks.*

1. (a) Draw the plan and cross sectional elevation of a Quarter turn R.C.C. stair to connect between two floor of 3m height difference in a stair room of size 5 m × 6 m.

Or

- (b) Draw the elevation and longitudinal section of a panelled door with wooden frame for an opening of 1200 mm × 2400 mm (1.2 m × 2.4 m) with double sutter having four panels. Clearly name the various members and give their approximate dimensions.

(30 marks)

Part B

*Answer the following.
The question carries 70 marks.*

2. A site 10 m × 30 m has a nine metre wide road abutting the shorter side. Plan a residence in the site with proper lighting and ventilation in order to satisfy the following requirements specified by the client.

Car porch	—	15 to 20 m ²
Front Verandah	—	1.5 to 2 m wide
Living room	—	11 to 15 m ²
Dining room	—	11 to 15 m ²
Master Bedroom	—	12 to 16 m ² + attached toilet
Guest Bedroom	—	12 to 16 m ² + attached toilet

Turn over

Kitchen	—	10 to 15 m ²
Work Area	—	6 to 10 m ²

One Bed room and a living room in the first floor is expected to construct after a few years.

Draw, Detail plan, cross sectional elevation giving maximum details, front elevation and site plan to suitable scale.

Write appropriate specifications for the work.

(70 marks)

