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Reg. No.....

Name.....

B.TECH. DEGREE EXAMINATION, MAY 2014

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 reasonably, stating the same.

Marks will be given for neatness.

Drawing sheet will be supplied.

Part A

Answer any one question.

1. Design a stair, draw the plan and sectional elevation of RCC dog-legged, for a residential building for a room measuring inside 2.5×5.5 m. and floor to floor height 3.3 m. Assume suitable data reasonably.

Or

2. A hall measuring $12 \text{ m} \times 24 \text{ m}$ is required to be roofed over with Manglore tile on queen post truss. The truss are spaced at 3 m c/c and supported on two-brick thick wall at either end. Sketch the following :
 - (i) A sectional elevation.
 - (ii) Section joint of port truss with the beam and struts.

(30 marks)

Part B

Answer the following.

3. Design and draw plan, elevation and suitable section of a residential building having the following accommodation :

Drawing room — 4.5×3.0

Bed room — 3.0×3.5

Turn over

Office room	- 3.0 × 2.4
Dining room	- 3.0 × 3.0
Kitchen	- 3.0 × 2.4
Guest room	- 3.0 × 2.5

Passage, front and rear verandah, bath and WC may also be provided appropriately.
Also draw the site plan and appropriate specifications for the work.

(70 marks)

