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(Pages : 2)

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 Mangalore 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)

