

# ***B. Tech Degree V Semester Examination, November 2008***

## **CE 506 (A) CIVIL ENGINEERING DRAWING** (2002 Scheme)

Time : 3 Hours

Maximum Marks : 100

*(Assume any missing data suitably)*

I. Draw the elevation of a King Post truss suitable for 7.2 m clear span between 2 walls of 30 cm thickness each showing the details of the roof, rafters and purlins. (30)

**OR**

II. An office building staircase has to be located in a stair room of 4 m x 3m , vertical distance between the floors is 3m. Draw its plan and cross section showing landing slab, beam reinforcement details etc. (30)

III. A site 18 m x 12 m, rectangular in shape has a 9m wide road abutting the longer side on the East. The site is a level one and the climate is warm humid. Design the single storey house with the following requirements.

1.	Living – cum – dining	:	25 sq. m
2.	Study room	:	10 sq. m
3.	Master bed room	:	14 sq. m
4.	Attached toilet to master	:	5 sq. m
5.	Kitchen	:	10 sq. m
6.	Store	:	4 sq. m
7.	Utility area	:	8 sq. m
8.	Common toilet	:	6 sq. m

Draw its (i) Plan (30)

(2) A typical section (25)

(3) Front Elevation (15)

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