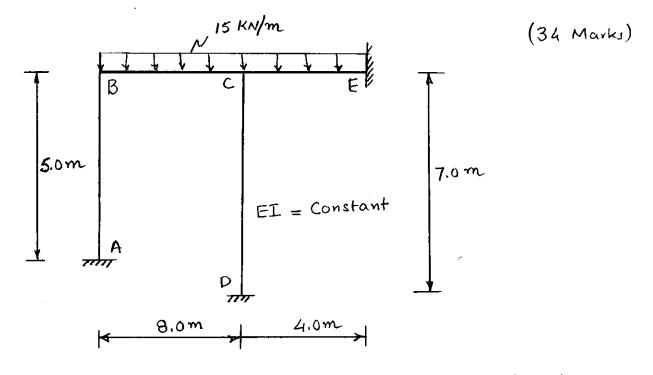
## Advanced Structural Analysis-1 CE-5111

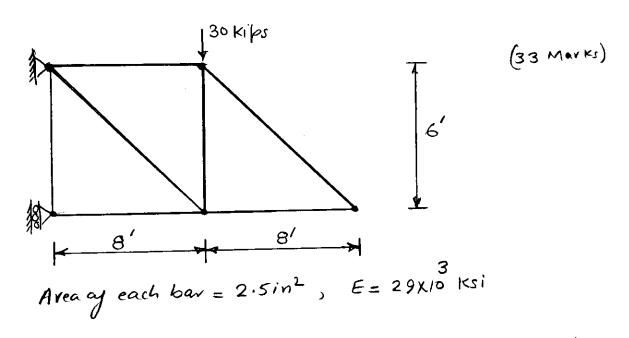
Midterm Exam December, 2008

Closed Book-Closed Notes. Time Allowed: 2 12 hrs

a No. 1 Determine the moments in the bortal frame shown below using moment distribution method



QNO. 2 Find the vertical deflection at pt E in the Truss shown below using method of virtual work.



QNo.3

Calculate the vertical deflection at pt f of the beam shown below. Use method of virtual work.

(33 Marks)

