

Correction in NCE401

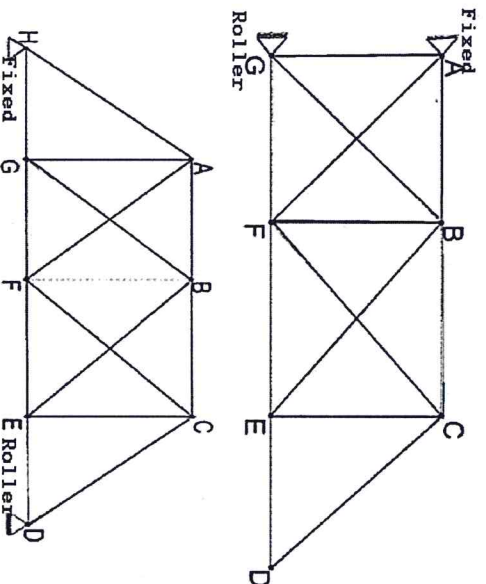
STRUCTURAL ANALYSIS I

Date: 16-05-2015

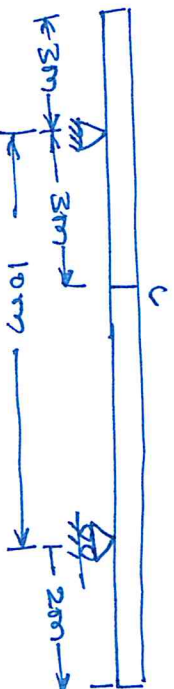
Morning Shift

Correction:

Q1d. Corrections in figure: The fixed and roller supports are mentioned.



Q2a. Figure



Q4. Attempt any two of the following:

- Write abatement of Castigliano's first theorem and Maxwell's reciprocal theorem. Prove Maxwell's theorem.
- Determine the deflection at the free end of a cantilever beam having a vertically downward load W acting at its free end by unit load method.
- Using conjugate beam method find the deflection of a simply supported beam at mid point C , of beam AB of length $10m$, loaded by an udl of intensity $20kN$ per unit run.