ASSIGNMENT No. 0

Assignment Title: Revision Questions on Mechanics

Due Date: October 19, 2015

For the beam shown in the figure:

I. Draw Shear force diagram and bending moment diagram.
II. Determine the absolute maximum bending stress in the beam and draw the stress distribution over the cross section at the same location.
III. Determine the absolute maximum shear stress in the beam and draw the shear stress distribution over the cross section at the same location.
IV. Find the principal stress just to the right of section D at points (1), (2), and (3).

*Note: All dimensions are in cm.*