DEPARTMENT OF CIVIL ENGINEERING, IIT BOMBAY

CE 201 Solid Mechanics

Tutorial Sheet = 4

Instructor : Siddhartha Ghosh

1. For the various beams shown in Fig. 1, draw the shear force and bending moment diagrams indicating salient features such as nature, max values and points of contraflexure etc. Also, find the ratio a/L for minimum value of the maximum bending moment (if applicable).





2. Shear force diagram for simply supported beams at point A and B is shown in Fig. 2. Draw the diagram of beam along with its loading and corresponding bending moment diagram.

