DEPARTMENT OF CIVIL ENGINEERING



VIRTUAL SMART STRUCTURES AND DYNAMICS LAB

Experiment 1

Modes of Vibrations of Beams under flexure

POST EXPRIMENT QUIZ QUESTIONS

- 1) Compute the frequency for five different lengths of the beam, keeping all other parameter constant. Plot a graph between frequency and length.
- 2) Calculate the natural frequencies of beams and simulate the first five modes shapes.