



VIRTUAL SMART STRUCTURES AND DYNAMICS LAB

POST EXPERIMENT QUIZ QUESTIONS

- Q.1) Plot the time domain data in excel to visualize the free damped oscillations.
- Q.2) Using Matlab, convert the time domain data in the frequency domain and identify the natural frequency of the beam.
- Q.3) Calculate the damping ratio using Half Power Band Method.
- Q.4) Compare the values of damping ratio obtained experimentally and theoretically.