

BTME-805 MECHANICAL VIBRATION LAB

Internal Marks: 30

External Marks: 20

Total Marks: 50

1. Determine the viscosity of given fluid by single wire torsional pendulum.
2. Determine the natural frequencies of a coupled pendulum.
3. Find out the fundamental natural frequency of a cantilever beam
4. Determine the modulus of elasticity from free vibration test
5. Study of forced vibration of a two degree of freedom system under harmonic excitation
6. Study of a dynamic absorber
7. Determine the coefficient of dry friction from measurement of natural frequency of vibration of a bar resting on two disks rotating in opposite direction