ENDS 231. Study Guide for Quiz 1

This guide is not providing “answers” for the conceptual questions. It is a list of topical concepts and their application you should be familiar with. It is an aid to help prepare for the quiz.

Covers material of Lectures 1, 2 & 3

- Sin, Cos, Tan, opposite, adjacent & hypotenuse
- Perpendicular
- Result of acceleration on a mass and Weight
- Law of transmissibility
- Internal vs. external forces
- Tension and compression
- Collinear, Coplanar, Space, Concurrent & Parallel force systems
- Vectors and scalars
- Scale
- Parallelogram law
- Tip-to-tail method
- Resultant of a force
- Component of a force
- Moment of a force
- Varignon’s Theorem
- Moment Couple
- Equivalent Force Systems