

Physics 180A Quiz 5 Study Guide

Chapter 9 - Rotation

Concepts: Rotational Quantities, Angular Displacement, Velocity, Acceleration, Moments of Inertia, Rotational Kinetic Energy, Conservation of Energy

Figures: 9, 10, 21, 23

Examples: 1, 2, 4, 7, 8, 10,

MC Questions: 1, 2, 3, 4, 5, 6, 7, 14, 15, 16

Basic Problems: 1, 2, 4, 5, 6, 8, 9, 11, 12, 14, 15, 21, 22, 24, 26

Medium Problems: 17, **18**, 19, 42, 48, 49, **50**, 55, 56, 64, 66, **70**, 73

Chapter 10 - Dynamics of Rotation

Concepts: Dynamics of Rotation, Torque, Work and Power, Angular Momentum, Conservation of Angular Momentum, Static Equilibrium

Figures: 4, 5, 6, 8, 10, 21, 22, 23, 26, 27,

Examples: 1, 2, 3, 5, 8, 9, 10, 12, 13,

MC Questions: 7, 8, 10, 11, 12,

Basic Problems: 1, 2, 6, 7, 8, 11, 12, 22, 24, 28, 29, 30, 32

Medium Problems: 43, 46, 48, 52, 53, 62, 73, 76,