

Summary of Work • Energy • Power



Momentum

Impulse - Momentum Theorem

$$\vec{F}_{avg}\Delta t = \Delta(m\vec{v}) \equiv \vec{p}$$





Summary of Angular Variables









Rotational Dynamics



TABLE 8.1

Moments of Inertia for Various Rigid Objects of Uniform Composition



How to Study for a PY132 Physics Exam



Guide

study

Textbook

Read Notes Equations and Concepts Suggestions, Skills & Strategies Review Checklist Summaries Tips



checklist

Do all Quick Quizzes

Check your homework - Where did you lose points? Even if you didn't lose points, do you understand it? Also check the discussion quizzes. See online solutions.

Work boxed problems in book/study guide \Box as exam practice (formula sheet only).

If I were in a big hurry or just lazy, I might make an exam by grabbing questions from the book. These are possible exams I might make up. Odd numbered Problems are answered in the back of the book, and most of the ones below are answered in detail in the study guide. The Conceptual Questions are answered in the back of the textbook. The feel of Question [1] is the least similar to what I make up, as I would make them multiple choice, true-false, sketch, or something other than answer by writing a sentence.

Practice Exam 1

[1] Conceptual / Short Answer
Chapter 6 Conceptual Question 13
Chapter 7 Problem 7
Chapter 7 Conceptual Question 13
Chapter 8 Conceptual Question 17

[2] Chapter 6 Problem 29

[3] Chapter 7 Problem 47

[4] Chapter 8 Problem 9

Practice Exam 2

[1] Conceptual / Short Answer
Chapter 6 Problem 1
Chapter 6 Conceptual Question 17
Chapter 7 Conceptual Question 5
Chapter 8 Conceptual Question 5

[2] Chapter 6 Problem 37

[3] Chapter 7 Problem 23

[4] Chapter 8 Problem 51

If you take anything away from this plus the How-To-Study guidelines, I hope you will learn how to create your own methodical study plan in such a way that you can effectively prepare for exams in other courses.

-ETK

Some equations that you might need to be reminded of:

