

AP PHYSICS C: MECHANICS

Monday, May 8th 2017 at 12:00PM

Section I: Multiple-Choice

✍ 35 Questions ⌚ 45 Minutes

Includes

Individual Questions & questions in sets

Includes

Table of common equations & formulas

Section II: Free-Response

✍ 3 Questions ⌚ 45 Minutes

Laboratory Based

Discrete Questions

Certain prompt terms have precise meanings: justify, explain, calculate, what is, determine, derive, sketch, & plot

SCORING

Multiple-Choice:

50% of Final Score

Free-Response:

50% of final score

EXAM TOPICS

- **Kinematics (18%):**
Vectors, vector algebra, components of vectors, coordinate systems, displacement, velocity, & acceleration
- **Newton's laws of motion (20%)**
- **Work, energy, power (14%)**
- **Systems of particles, linear momentum (12%)**
- **Circular motion & rotation (18%)**
- **Oscillations & gravitation (18%)**

Lab Notebooks & College Credit

Colleges may require students to present their laboratory materials before granting college credit so be sure to keep your laboratory notebooks, reports, & other materials