

Waves

Phys 123, Spring 2003

MIDTERM 3:

Room: PAA A102

Times: F, May 30 10.30

Covered Material:

- Lecture: Chapters 36 and 38
- Tutorials: 6-8
- Lab: not on this exam (will be only on the final)

What can you bring:

- One 8.5×11 paper, filled both sides
- Calculators – but not computers (and no IR)

What MUST you bring:

- A *SCANTRON* Sheet!!

TOPICAL REVIEW:

Chapter 36:

- Diffraction
- Intensities for single and double slits
- Gratings and X-ray diffraction
- Polarization

Chapter 38:

- Photoelectric Effect
- Matter Waves

- Electron Microscope
- Bohr Atom

SUGGESTED PROBLEMS:

Chapter 36:

3,5,7,9,13,15,17,19,21,27,29,41,57,61,63,65,67,69,71

Chapter 38:

41,61,63,65,67,75,77,79,83