

EXAM 1 MATERIAL

Remember to bring a Scientific Calculator to the Exam

DATE: Friday, February 19, 2016 - 11:00 AM to 12:50 PM
(note that we are adding an extra 1/2 hour beyond the normal class end)

Test Questions and Problems are based upon: (a) assigned homework
(b) class examples
(c) class notes.

Chapter 1:

All material covered in Lecture and assigned in Homework

Relevant HW: All

Portion of Test: Approximately 30%

Chapter 2:

All material covered in Lecture and assigned in Homework

Relevant HW: All

Portion of Test: Approximately 30%

Chapter 3:

All material covered in Lecture and assigned in Homework through the Free Electron Molecular Orbital (FEMO) Model (Slide #61)

EXCEPT we will NOT be covering: "Other PIB Models" (Slides #32-#47) this year.

Relevant HW: #2, #3, #5, #6,

Portion of Test: Approximately 40%

Relevant Material from Exam 1 - 2015

- #1: Short Answer
- #2: DeBroglie
- #3: Complex expression simplification
- #4: Commutator
- #5: Free Particle Wavefunction/properties
- #6: PIB

Notice that we're not covering (on this test):

- #7: Multidimensional Box (next test)
- #8: PIB with Finite boundaries (we're skipping that this year)