

ATTENTION: You must fill in your name and recitation instructor on the front of EVERY SHEET in the space provided in order to get credit for your work.

The exam booklet should remain closed until your instructor says to begin. The exam is closed book, closed notes. You may use a calculator. There is an equation sheet and table of constants for your use at the back of the exam.

NOTE: The exam consists of 35 multiple choice questions worth 5 points each. The maximum score on the exam is therefore 175 points. There is no partial credit, your answer **must be** entered in the bubble sheet provided in order to receive credit. We also highly recommend entering your answer in the space provided on the question sheets for insurance.

You are allowed 108 minutes for the entire exam. That averages to just about 3 minutes per problem. Try to use this time effectively. If you find yourself spending a lot of time on a particular problem, it may be worth moving on and returning to that problem later.

WARNING: Make sure you fill in the answer in the bubble sheet provided for each question as you work through the exam. When the exam ends you will not be permitted extra time to transfer your answers to where they belong, and you will lose credit for those questions without an answer in the space provided.

GOOD LUCK!