This is a closed book exam. You have 3 hours to complete it.

You can have:
- A pencil or pen
- A calculator (scientific or graphing)
- Your Illinois ID (for UIN)

Please put away your phone / smartwatch (anything that connects to the internet).

Academic Integrity Statement
Giving assistance to or receiving assistance from another student or using unauthorized materials during a University Examination can be grounds for disciplinary action, up to and including dismissal from the university.

Before the exam starts

1) Fill out your scantron card with the following information:

2) Fill out the information at the top of this exam packet.
3) **This Exam Booklet is Version XX.** Mark the XX circle in the TEST FORM box on the bottom right of the scantron card (if this is wrong, your exam will not be graded correctly).

4) The exam is worth a total of **126 points**, composed of two types of questions.

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**5-option multiple choice questions are each worth 6 points.**

Partial credit will be granted as follows:
- If you mark only *one* answer and it is the correct answer, you earn 6 points.
- If you mark *two* answers, one of which is the correct answer, you earn 3 points.
- If you mark *three* answers, one of which is the correct answer, you earn 2 points.
- If you mark *four* answers, one of which is the correct answer, you earn 1.5 points.
- If you mark *five* answers, one of which is the correct answer, you earn 1.2 points.

**3-option multiple choice questions are each worth 3 points.**

Partial credit will be granted as follows:
- If you mark only one answer and it is the correct answer, you earn 3 points.
- If you mark *two* answers, one of which is the correct answer, you earn 1.5 points.
- If you mark *three* answers, one of which is the correct answer, you earn 1 point.

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5) Double check that your exam packet is complete (don’t start the exam yet). This exam packet has **27 problems and 15 pages**, including these instructions at the start and the equation sheet at the end.

6) Detach the equation sheet from the exam packet (last page of the packet).

7) When the instructed by the proctors, you can start the exam. When you are finished:
- Please check that your answer selections on the scantron are accurate and that you indicated your answers on the problem packet as a backup.
- Please don't discuss the final exam with anyone until the end of the final exam period, since there will be some people taking the exam after you are.

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Congrats on finishing Phys100! Thanks for all your hard work. You're now ready for Phys211.