(Preview of) Final Exam (2023 Fall)

PHYS 205B: UNIVERSITY PHYSICS

School of Physics and Applied Physics, Southern Illinois University–Carbondale Date: 2023 Dec 11

(Name)

(Signature)

Instructions

- 1. Seating direction: Please be seated on seats with seat-numbers divisible by 4.
- 2. Total time = 75 minutes.
- 3. There are 4 short questions and 3 homework-style problems in this exam.
- 4. Equation sheet is provided separately.
- 5. To be considered for partial credit you need to present your work in detail and organize it clearly.
- 6. A simple calculator (with trigonometric functions) is allowed.
- 7. Use of smart devices, including smart watches, is strictly prohibited. They should stay out of reach during the exam.
- 8. Restroom breaks are allowed. Under questionable circumstances this might lead up to a Makeup Exam.
- 9. Academic misconduct will lead to a failing grade in the course.

- 1. (5 points.) Content before MT-01.
- 2. (5 points.) Content between MT-01 and MT-02.
- 3. (5 points.) Content between MT-02 and MT-03.
- 4. (5 points.) Content after MT-03.
- 5. (10 points.) Content before MT-03.
- 6. (10 points.) On spherical mirrors. Ray diagram.
- 7. (10 points.) On spherical lens. Ray diagram.