Do not turn this page until you have received the signal to start. In the meantime, please fill out the identification section above, and read the instructions below carefully.

This test consists of 4 questions on 12 pages (including this one). There is a bonus question on Page 12. Pages 13 to 22 are Python reference sheets including classes that we developed in lectures/labs. You may use any of the classes and functions from the reference sheets in your answers.

When you receive the signal to start, please make sure that your copy of the test is complete.

Please answer questions in the space provided. You will earn 20% for any question you leave blank or write “I cannot answer this question,” on. We think we have provided a lot of space for your work, but please do not feel you need to fill all available space.

Write neatly and concisely. If we cannot read it, we cannot grade it.

GOOD LUCK!