

Fill out the front page of the booklet *completely*. Return this sheet with your exam booklet. Answer all questions in the exam booklet, IN ORDER. For questions in Part 1, answer 2 questions per page side and explicitly label each part of your answer (a,b,c). For questions in Part 2, answer 1 question per page side. If you do *all* these things, you will earn 3 bonus marks (no part marks). 3 marks! Just think of these instructions as Question 0. Remember that you must pass the final to pass the class. Lastly, I will not answer questions about any of these questions during the exam.

**Part 1. 3 marks x 15 = 45 total.** For each question below, do: a) identify the context OR a risk OR a reward from our class discussion (1 mark, 1-2 sentences); b) answer the question itself (1 mark, 1-2 sentences); and c) provide a reasoned personal value judgment about the concept (1 mark, 1-2 sentences).

1. What is an implication of the “know anything, anywhere” idea embodied in today’s smart phones?
2. What is an example of the “digital divide”
3. How does the Creative Commons protect intellectual property?
4. Is there any justification for copying of copyrighted material from the internet?
5. What is “security theatre”?
6. Is there is reasonable trade-off for users of systems that collect personal information in exchange for offers of discounts?
7. What is suggested by the similarities between different ethical codes?
8. What can computer scientists contribute to the discussion about delivery of public services via “apps”?
9. What is a generative platform?
10. Should we fear small, flying robots?
11. What is an implication of the City of Regina using facebook.com?
12. When might it be ethical to replace humans with computers or robots?
13. Is it possible to trust output from complex software?
14. What is your responsibility to people who post very personal information on facebook.com and (perhaps inadvertently) grant broad access rights to that material?
15. Can spimes help computer scientists contribute to environmental sustainability?

**Part 2. 6 marks x 2 = 12 marks.** Clearly present your reasoned responses.

1. Imagine yourself as a computer professional working on software for the Therac 25 project. How might you have approached the risks that were present?
2. Consider the <http://www.humanbirdwings.net> site, the video, and everything that we discussed in class related to it. Is there a place for this material on the internet, or is it dangerous and in need of restriction in order to protect less-informed people?

*Thank you for taking part in CS280 this semester.  
Good luck with the rest of your exams.*