

NAME:

CSE303 Autumn 2009 Final Examination
December 15, 2009

- 120 minutes.
- Open notes, open book.
- Closed any kind of electronics (including calculators and cell phones)
- Closed neighbor.
- Better legibility makes for happier graders.

	Maximum Points	Earned Points
Part I (social implications)	20	
Part II (C pointers)	50	
Part III (preprocessor, make, svn)	15	
Part IV (C++)	10	
Part V (miscellaneous)	25	
Total	120	

Preparation notes:

- **The low-level details (exact point counts, etc.) might change; the high-level parts, timing, etc. will not change.**
- **The detail you should know for each part varies: for example, you are expected to know much more for Part II (C pointers) than for Part IV (C++).**
- **You can take 2 hours 15 minutes maximum – a little less than 1 point/minute.**

NAME:

Part I: Social Implications

1. [8 points] Intellectual property.
2. [6 points] Security/privacy.
3. [6 points] Professional obligations.

Part II: C Pointers

1. [10 points] Short answer questions.
2. [20 points] Read a program and answer questions about it.
3. [20 points] Write a piece of code.

Part III: Preprocessor, make, svn

1. [5 points] Preprocessor
2. [5 points] make
3. [5 points] svn

Part IV: C++

1. [5 points] References, pointers, parameter passing, etc.
2. [5 points] const

Part V: Miscellaneous

1. [5 points] Bit manipulation
2. [5 points] Heap/memory management
3. [5 points] Casting
4. [5 points] Shell vs. C vs. C++
5. [5 points] TBD