CONCORDIA UNIVERSITY
DEPARTMENT OF COMPUTER SCIENCE AND SOFTWARE ENGINEERING

SOEN 6011: SOFTWARE ENGINEERING PROCESSES: SECTION CC
SUMMER 2019

TEST 1: OPEN PROBLEMS

Total Marks: 6
Number of Problems to Select: 1
Submission: In Class
Format:

- Identifiers: Name, Student Identification Number
- Font Size: 10-12

Page Limit: 1 (Letter Size, Typed) (Excluding References)
Typesetting: LATEX
Goals:

- Creativity (Talent Show)
- Learning

Sub-Goals:

- Making it Surprising, for Oneself and for Others
- Making it Memorable

Citations and References:

- ACM or APA or IEEE or Dr. Kamthan's Format

Guidelines:

- It is important to be convincing. For that, the reasoning must be in-depth and backed up by references where necessary.
- It is important to be original, at least across the class. The limit on direct quotes is 10%. Fairness Protocol applies.
- It is better to say more with less. It is better to construct short, crisp, sentences, unless there is a good reason not to do so. It is better to use spelling and grammar checker, even if there is a good reason not to do so.
- It is important to check legibility at 100% magnification.
- A picture or table can be worth many words.

Marking: The marking will aim to be green.

- 6 (Special), 5 (Good), 4 (Worthwhile), 3 (Tolerable), 2 (So So), 1 (Not Right), 0 (Not Even Wrong)
- No Reasoning

PROBLEM T1-OP1.

Source(s):

- **"Principles of Lean Thinking"**
- **"Software Development Waste"**
- **"Waste in Lean Software Development: A Root Cause Analysis"**

There can be different types of wastes in software development. Lean Software Development advocates reduction of waste.

Give TWO examples from the educational and/or professional projects that you have worked on which led to notable (major and irreversible) waste. Described the type(s) of waste occurred, suggest plausible ways in which waste could have been avoided, and the lessons you learned.

PROBLEM T1-OP2.

Source(s): "Software Project Environments in Context"

Suggest TWO non-trivial additions, subtractions, or modifications to the content of lecture notes. The additions, subtractions, or modifications must be based on evidence.

PROBLEM T1-OP3.

Source(s): "On Distances in Software Engineering"

Suggest TWO non-trivial additions, subtractions, or modifications to the content of lecture notes. The additions, subtractions, or modifications must be based on evidence.

PROBLEM T1-OP4.

Source(s): "Sixty Years of Software Development Life Cycle Models"

Give brief description of THREE software development practices that were present before 1970 but were abandoned after.

PROBLEM T1-OP5.

Source(s): "Sixty Years of Software Development Life Cycle Models"

Give brief description of THREE software development practices that were not present before 1970 but came into existence between 1970 and 1990.