EECS3342 (Z) Winter 2022
Guide to WrittenTest4
WHEN:
12:00 noon – 12:30 pm (EST),
Tuesday, April 5

CHEN-WEI WANG

– This written test is **strictly** individual: identified collaborations will be reported to Lassonde for **a breach of academic honesty**.

– You are given **30 minutes** to complete the submission. The time limit is **strict**.

– This written test accounts for 10% of your course grade.

– All questions will be answered on the Section Z eClass site.

1   Rules

– WrittenTest4 will be:

  • *opened* for submission at 12:00 noon EST on **Tuesday**, April 5; and
  • *closed* for submission at 12:30 pm EST on the same day.

– Once submitted, you are <u>not</u> allowed to start a new attempt, even before the test is closed.

– There is **not** a 24-hours submission period: if you started your attempt later than the above-mentioned time where the submission is opened, then you would have <u>less than</u> 30 minutes available to complete the test. For example, if you started your attempt at 12:05 pm, the test's submission will still be closed at 12:30 noon, meaning that you have 25 minutes remaining to complete the test.

2   Format

– There might be multiple-choice questions:

  • A true or false question
  • A question with a **single** correct answer
  • A question with **multiple** correct answers

  e.g., Say you are given 5 answers for the question: 2 of them are correct (and 3 of them are incorrect). Accordingly, for each <u>correct</u> answer you choose will receive a credit of $\frac{100\%}{2} = 50\%$, whereas for each <u>incorrect</u> answer you choose will receive a penalty of $\frac{-100\%}{3} = -33.3\%$.

  Say you chose one <u>correct</u> answer and one <u>incorrect</u> answer, then you would receive $50\% + (-33.3\%) = 16.7\%$ of the full marks. Also, the minimum mark you can receive is 0 (e.g., when you chose one <u>correct</u> answer and two <u>incorrect</u> answers).

  This mechanism is to ensure that one cannot just receive full/high marks by simply choosing (almost) *all* answers.

3 Coverage of the Test

– Materials (slides, iPad notes, recordings) related to the following lectures will be covered:

- Bridge Controller: Second Refinement   Pdf [Weeks 9, 10]

– Even though the test coverage is about the second refinement, you may find the need to review the basic concepts covered in the first refinement (e.g., guard strengthening, invariant preservation).

– So far we have covered three sets of example inference rules: you will be required to apply some of these rules. You may also be required to apply other inference rules, in which case they will be given.

– There is **no** need to review Lab1 or Lab2 for this written test.

– You may also want to review the relevant Q&A session materials, where we discussed clarifications and extra examples.

4 Example Questions?

– Given that the coverage of this test (Second Refinement) is similar to that of your Written Test 3 (First Refinement), you may just want to refer to the example questions made available to you for Written Tests 2 and 3, as well as the actual test test questions of Written Test 3: adapt these questions to the context of the second refinement. There will be **no** surprise in terms of the format of the test.

– Prioritize your time to study carefully the lecture materials.

– You can expect the level of difficulty/intensity of this test to be somewhere between Written Test 3 and Written Test 1.