CMPT 310: Survey Artificial Intelligence

Midterm Exam

Simon Fraser University

Fall 2014

Instructor: Oliver Schulte

Student Name:

Student Number:

1. **Write down your name and student number.**

2. Answer all questions. This exam consists of 8 pages. You have 50 minutes to complete this exam. You can earn a total of 50 points on the exam. I indicate the worth of each question.

3. For short answer/multiple choice questions, you can get full marks for giving the right answer, and *partial* credit for explaining a wrong answer if the explanation contains enough correct insights.

4. You should answer the questions in the space provided. If necessary, you may continue your answer on the back of the question sheet. *Write your final answer in pen*.

5. This is a closed-book exam, but you may use 1 (one) 8.5 x 11 sheet of notes for reference, both sides.

6. Work efficiently. Some questions are easier than others. Avoid getting bogged down in the more difficult ones before you have answered the easier ones.

7. Notation: The implication connective is written as → . Other logical notation is standard.

Grading Breakdown.

Section	Your Mark	Total Possible
Agents and Environments		10
Problem-Solving		10
Local Search		6
Joint Probabilities		2
Propositional Logic		6
First-Order Logic		16
Total Sum		50