CISC 204  Class 16

Review of Material

Test #2 in this course will cover semantics of propositional logic and basic concepts in predicate logic. The material will be from Week 3 and Week 5 of the course. The main concepts are:

- Propositional semantics: validity, satisfiability, conjunctive normal form (CNF)
- Terms and formulas in predicate logic
- Scope of variables; free and bound variables
- Substitution of variables
- Rules of inference: equality substitution

To study for this test, students should be able to do at minimum these exercises from the textbook:

§ 1.4:  1, 2(a), 2(h), 5, 6, 12
§ 1.5:  2(b), 2(d), 5, 6(b), 6(d), 7(a), 7(c)
§ 2.1:  3(a-e), 4(a-f)
§ 2.2:  4(a-f), 5(a-d)
§ 2.3:  1(a-c)

The page of reference material, provided as a review for Test #1 in Class #10, will be reproduced in Test #2. Students are expected to understand the rules and how to apply them.