CSCE 222: Discrete Structures for Computing

Exam 1 topics to review

This is a list of topics that may be included in Exam 1. This list is not exhaustive and is only intended to help you review.

Instructions for the upcoming exam:
1. You are allowed to bring one sheet of notes (8.5 x 11 one side)
2. This is a closed book exam. Do not confer with any other person. Do not use any computer equipment.
3. Show your work. Partial credit will be given. Grading will be based on correctness, clarity and neatness.
4. I suggest that you read the whole exam before beginning to work any problem. Budget your time wisely.

Topics:
1. Logic
2. Predicates and quantifiers
3. Logical Proofs and Fallacies
4. Rules of inference
5. Proof by contraposition
6. Proof by contradiction
7. Sets and sets operations
8. Relations
9. Classes of functions
10. Inverse of functions