

CS-302 Theory of Computation Test III Study Guide

Disclaimer

This document is provided as a study guide only. It does not represent what will be on the Test. It highlights the important topics that you must know for the Test. The Test may include questions on concepts not included in this document.

The Following Are Important

- The test covers Deterministic Finite State Automata (DFA) and Nondeterministic Finite State Automata (NFA).
- The format of the test is as follows:
 - True/False questions.
 - Short answer questions.
 - There will be no proof questions on this test.
- Study:
 - Finite State Automata: DFA, NFA, and DFA vs. NFA.
- Practice:
 - How to provide formal definitions of concepts listed above.
 - How to answer questions related to covered topics.
 - How to write complete proofs.
 - How to read state diagrams as well as formal presentation of a DFA and a NFA.
 - How to convert an NFA to a DFA.

Good Luck