

## CS-302 Theory of Computation Test VII 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 Pushdown Automata and the Pumping Lemma for Context-Free Languages.
- The format of the test is as follows:
  - True/False questions.
  - Construction questions.
  - There will be proof questions on this test.
- Study:
  - Pushdown automata: definition, acceptance, language, construction, and the relation between pushdown automata and context-free languages.
  - The Pumping Lemma for Context-Free Languages: proofs of languages that are not context-free.

### Good Luck