

## CS-301 Computer Architecture Test II 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

- Exam Format:
  - True/false questions
  - Short answer questions
- Study:
  - **Chapter 3:**
    - Boolean Algebra - identities, expressions, functions, function complementation, function simplification, equivalence of functions, truth tables, etc.
    - K-Maps.
    - Logic Design - gates, circuits, digital circuitry to implement Boolean functions, etc.
    - Combinational Circuits - adders, decoders, multiplexers, ALU design, etc.
    - Sequential Circuits - flip-flops, register design, memory design, etc.

### Good Luck