ECE 3544: Digital Design I

Project 1 (Part A): Introduction to the ModelSim Environment

Student Name:

Honor Code Pledge: I have neither given nor received unauthorized assistance on this assignment.

**Grading: The design project will be graded on a 100 point basis, as shown below:**

Manner of Presentation (30 points)

Completed cover sheet included with report (5 points)

Organization: Clear, concise presentation of content; Use of appropriate, well-organized sections (15 points)

Mechanics: Spelling and grammar (10 points)

Technical Merit (70 points)

General discussion: *Did you describe the objectives in your own words? Did you address the questions posed in the project specification? Did you discuss your conclusions and the lessons you learned from the assignment?* (10 points)

Design discussion: *What was your approach to deriving the circuit you had to design?* *How applicable is the design process you followed to more general design and larger-scale designs?* (10 points)

Testing discussion: *What was your approach to formulating your test benches, and how did you verify the correctness of your design and implementation?* (10 points)

Supporting figures (20 points total)

* *Correct waveforms showing simulation of both decoder modules.* (5 points)
* *Waveforms showing correct operation of your design.* (15 points)

Verification: *Do the submitted files produce the correct response?* (20 points)

**Project Grade**