1. Content of the report should include the following sections:

**Objective**: Describe the objective of the experiment.

**Discussion**: Explain the formal basis of this experiment, and significance of the test results. Include any thoughts, comments, or suggestions related to this experiment.

**Procedure**: Outline the design and implementation procedure.

**Circuits Built**: Describe the circuits built in this experiment.*

**Test Results**: Show the results of testing the circuits via simulation.*

* Describe design inputs by using truth tables, schematics, or programs in VHDL, whichever is appropriate for that particular experiment.

If truth tables are used or inputs/outputs need to be described, print out the waveforms wherever applicable (e.g., for all questions in Lab No. 1).

If schematics are used, the diagram should be printed out by selecting the area to print (otherwise the printout will be too small to read), and the printing information should be included (by checking "ALL" in the "Print" window (so that it will include Symbol Borders and Numbers, Pin Default Values, Page Headers, and Sheet Border).

If VHDL programs are used, list the source code. The source code should include student name, purpose of the program, the Boolean functions it implements, and appropriate comments.

Read Chapter 11 of the text.

2. Use the following template to prepare the cover page:

```
COSC3410: Digital Logic Design
LAB No. <experiment number>: <title of the experiment>
Fall 2002
<lab section number>
<name of the lab instructor>

@student name>
<email address>
<date>
```

3. Other requirements:
   - Use letter-size paper.
   - Print on both sides to save paper, if so desired (the lab printer has this capability).
   - Use MAX+PLUS II to draw diagrams.
   - Use MAX+PLUS II or a word processor to write and print the report.
   - Avoid writing or drawing by hand. If unavoidable, make it as clean and legible.
   - Staple all pages together.
   - Quality of writing is important. Write precisely and concisely.
Late lab report will not be accepted unless prior permission from the lab instructor is granted. In that event, a penalty will be assessed at the rate of 10% per day.