100 pts  Lab #2  Notebook Grading

THE FOLLOWING ITEMS ARE REQUIRED:

- Student's work reproducible from notebook.
- Title and date for each lab section.
- Written in ink.
- Student signed every page.
- Student dated every page.

20 pts  EXPERIMENT 1:

5 pts  (1a,b)  Built circuit with potentiometer.

12 pts  (1c)

- 5 pts  Comparison of measured voltages with textbook Fig. 3.25d.
- 2 pts  $V_{DO}$ value
- 5 pts  Explanation of the effect of R. Graphs present if applicable.

3 pts  (1d)  Statement about square wave.

30 pts  EXPERIMENT 2:

5 pts  (2a)  Built circuit with potentiometer.

5 pts  (2b)  Comparison of measured voltages with textbook Fig. 3.27b.

10 pts  (2c)  Explanation of the effect of R. Graphs present if applicable.

10 pts  (2d)  Explanation of the effect of C. Graphs present if applicable.

50 pts  EXPERIMENT 2:

35 pts  (1)  Circuit operates correctly (Fig. 6)

8 pts  (2)  Explanation of volume control.

7 pts  (7)  Maximum current draw for both positive and negative supplies and what condition that were measured.