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 1:

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.