

HEBB 30

Time: _____

Name: _____ Student Number: _____

Bench number: _____ Envelope Number: _____

Length of Examination: 60 minutes

The Examination will be based on the measurements that you performed in Experiments 2 and 3 on RC and LRC circuits. This is a “closed-book” exam but you can bring a calculator and one sheet (8.5 x 11 inches/single-sided) of equations that you think might be appropriate (this sheet must be handwritten and readable without any magnification. It cannot be a photocopy or a reduction). You will also need a pen.

Show all your work on the exam worksheets provided.

Measure the value of an inductor, using the components that are provided in the envelope that you will find at the lab bench. You should include an estimate of the uncertainty !!

Please indicate on your exam booklet the following information:

- Name (LAST, first),
- Student Number,
- the bench number where you are working,
- the number on the envelope.

You are to use only the equipment that you find on your bench.

You should make a careful log of all your work, explaining what you are trying to do and show all plots of data or scope traces that you consider important. The necessary worksheets and graph paper will be provided for you. You should explain clearly how you have obtained your final answer, by stating the procedures and measurements you have done. Be sure to show a sketch of your experimental circuit and any test instruments which you have connected to your circuit.