

## Laboratory final Spring 2024

Same as fall23

Differences :

no choose

no LCD vs LED question

different numbers

Addition: last question there is a condition ( $T > 3$ ) for all cases

Extra Question:

Q1) B

A student is measuring the phase difference between 2 signals of frequency 1kHz, the difference between them is 0.5 division and the knob is setting the time scale to 200u sec/div

- a) find the phase angle difference
- b) If the frequency of the 2 signals is changed to 2kHz, find the phase difference in divisions and degrees