**ENGG1100 Introduction to Engineering Design**

**Faculty of Engineering**

**The Chinese University of Hong Kong**

**Laboratory 3: Electronics Basics II - Lab Sheet (Template)**

Group No: Date:

Student name: , SID :

Student name: , SID :

***After your group has completed this lab work, demonstrate your results to the tutor and ask the tutor (TA) to sign below.* Submit this sheet at the end of this lab.**

***Experiment I: Time-domain signal measurement***

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| 1. Plot the waveforms and **label clearly the axes for each plot** (for example, voltage in Volts and time in ms). The required settings are (Note: **Peak-to-peak voltage = Pk-Pk, Frequency =F)** :   Please count for graphs you need to draw and list them out by yourself.   |  |  | | --- | --- | |  |  | |  |  |  1. *State the similarities and differences between the waveforms: XXXXXX (Hints: List out the comparisons you have to made. There should be four items.)* |

***Experiment II-A: Soldering exercise using the Prototyping Board***

You should include one drawing and one measurement datum here.

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***Experiment II-B: Soldering components onto a Printed Circuit Board (PCB)***

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| It is a good practice to have a soldering check list so that you won’t miss any components. Please make your own check list.  Circle or put a tick next to the component below if you have soldered it on the board.   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |  | |  |  | | --- | --- | |  |  | |  |  | |  |  | |  |  | |  |  | |  |  | |  |  | |  |  | |  |  | |  |  | |  |  | | |