The Chinese University of Hong Kong

Department of Computer Science and Engineering

CENG2030 Fundamentals of Embedded System Design

Lab 3: Instrumentation and Measurement

Answer Sheet

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1. **Installation of TINA**
2. **Multimeter [30%]**
   1. Draw the circuit with voltmeter and ammeter as .TSC file, and upload it as part of your submission. [10%]
   2. Voltage Measurement

VM1: \_\_\_\_\_3V\_\_\_\_\_\_ [10%]

* 1. Current Measurement

AM1: \_\_\_\_\_3mA\_\_\_\_\_ [10%]

1. **Build a Timer Circuit [25%]**
   1. Draw the 555 astable timer circuit as .TSC file, and upload it as part of your submission.
2. **Oscilloscope [25%]**
   1. Capture your Oscilloscope window below:

Calendar

Description automatically generated

A picture containing calendar

Description automatically generated

1. **Signal Generator [20%]**
   1. Capture your TINA window below:

Chart

Description automatically generated

THE END