

# **MEDICAL INSTRUMENTATION LAB REPORT FORMAT**

The experiment reports should include the following sections:

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## **TITLE PAGE**

Author name, student ID, experiment name, experiment date and section.

### **1- OBJECTIVE (5 point)**

The objective section of your report should be a few sentences that describe the purpose of your experiment. Do not copy the instructions.

### **2- THEORY (10 point)**

Provides a brief summary of the background and theory related to the experiment. This part should consist of one paragraph. Do not copy the instructions.

### **3- DATA AND CALCULATIONS (25 point)**

This part include your data into tables and graphs. Show all the calculations with the equations (if there is any!). Each result should contain unit. Tables and figures must be numbered and titled. Table titles appear at the top, figure titles at the bottom.

### **4- DISCUSSION (30 point)**

Restate the purpose and findings of the experiment. This section is the explanation of the results section. Include explanations of unpredicted or inconsistent results and explain. Compare results with existing knowledge. Explain why you think the results mean.

### **5- QUESTIONS (25 point)**

Answer all questions that are given in the lab manuals.

## **REFERENCES (5 point)**

List the sources you used to compose the lab report. As laboratory research relies on previous work, written reports must include references. All information or interpretations given in the introduction and discussion part should be supported by references. Inadequate or inappropriate referencing should be avoided. Include references to any journal articles, books, etc. used to complete your lab reports both as parenthetical references (in the correct location of the text) and in the bibliography.

List references in proper scientific format. For this course, use the IEEE style of referencing.

Example:

[1] W. Brown, "Electrical Design Considerations," in *Advanced Electronic Packaging: With Emphasis on Multichip Modules*: Wiley-IEEE Press, 2013, pp. 51-74.