**ASSESSMENT RUBRICS LAB # 04**

**Verification of Ohm’s law Using Bread-Board**

| **LAB REPORT ASSESSMENT** | | | | |
| --- | --- | --- | --- | --- |
| **Criteria** | **Excellent** | **Average** | **Nil** | **Marks Obtained** |
| 1. **Objectives of Lab** | All objectives of lab are properly covered  [Marks 1] | Objectives of lab are partially covered  [Marks 0.5] | Objectives of lab are not shown  [Marks 0] |  |
| 1. **Ohm’s Law and Mathematical Expression.** | Correct definition of Ohm’s law, mathematical expression and circuit diagram is shown.  [Marks 1] | Correct statement of Ohm’s law and no mathematical expression and circuit diagram with no labels.  [Marks 0.5] | No definition, mathematical expression and circuit diagram is shown [Marks 0] |  |
| 1. **Apparatus Used** | All equipment and electrical components used are shown  [Marks 1] | Equipment and electrical components are partially shown and some of the components are missing [Marks 0.5] | Equipment and electrical components used are not shown  [Marks 0] |  |
| 1. **Procedure** | All experimental steps are shown in detail  [Marks 2] | Some of the experimental steps are missing [Marks 1] | Experimental steps are missing  [Marks 0] |  |
| 1. **Observations & Calculations** | All experimental results are completely shown in form of table and error calculation between theoretical and practical values are also shown.  [Marks 2] | Experimental results are partially shown and some of the observations are missing.  [Marks 1] | No experimental results are shown  [Marks 0] |  |
| 1. **Graphs** | Graphs from experimental results of Ohm’s law using theoretical and practical are shown with labels. [Marks 2] | Graphs from experimental results of Ohm’s law are shown with no labels and no comparison of theoretical and practical values. [Marks 1] | No graphs are shown  [Marks 0] |  |
| 1. **Conclusion** | Conclusion about experimental results is properly explained and satisfactory. [Marks 1] | Conclusion about experimental results is not properly explained and satisfactory. [Marks 0.5] | No conclusion is shown  [Marks 0] |  |
| Total Marks Obtained:\_\_\_\_\_\_\_\_\_\_  Instructor Signature: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | | | | |
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