|  |  |
| --- | --- |
| Name: |  |
| Lab TA: |  |
| Lab Section: |  |

Attendance/Participation: (05)

Data/Graphs: (55)

Units: (10)

Analysis Questions: (30)

**Total:** (100)

**Experiment EO5: Series and Parallel Resistors**

Part I: Initial Measurements

|  |  |
| --- | --- |
|  | Resistance measured with multimeter |
| 51  Resistor |  |
| 51  Resistor |  |
| 100  Resistor |  |
| 100  Resistor |  |
| 1 k Resistor |  |
| 1 k Resistor |  |

Part II: Resistors in Series

|  |  |
| --- | --- |
| *Rtot* for two resistors connected in series |  |

Part III: Resistors in Parallel

|  |  |
| --- | --- |
| *Rtot* for two resistors connected in series |  |

Part IV: Resistors in Series and Parallel Combinations

|  |  |
| --- | --- |
| *Rtot* for combination of five resistors |  |

*Paste a picture of your five resistor combination below:*

**Analysis Questions**

*Answer the Analysis Questions in the space below.*