اسم الطالب: الرقم الجامعي:

رقم الشعبة : رقم التسلسل:

**1 Objective:**

………………………………………………………………………………………………………………………………………………………………………………

**2 Theoretical Background**

………………………………………………………………………………………………………………………………………………………………………………

……………………………………………………………………………………...

**4 Method**

………………………………………………………………………………………………………………………………………………………………………………

……………………………………………………………………………………...

**5 Results**

 **Part1:**

|  |  |  |  |
| --- | --- | --- | --- |
| Resistor # | Resistance (Ω) | Current (mA) | Voltage (V) |
| R1 |  |  |  |
| R2 |  |  |  |
| R3 |  |  |  |
| R4 |  |  |  |
|  | RTotal= | **Average=** | **Total=** |

**Errors analysis**

**Part2:**

|  |  |  |  |
| --- | --- | --- | --- |
| Resistor # | Resistance (Ω) | Current (mA) | Voltage (V) |
| R1 |  |  |  |
| R2 |  |  |  |
| R3 |  |  |  |
| R4 |  |  |  |
|  | RTotal= | **Total=** | **Average=** |

**Errors analysis**

**6 Graph**

Plot the relation between I (on x axis) and V ( on y axis)

 **7 Calculations**

$$Slope=\frac{∆V}{∆I}=\frac{……………….}{………………..}=$$

slope =………………………………………………..