Expeniment-1

Giroup no: 2

Tables:

ID: 220041118 220041120

220041122

2200 411 24

220041126

2200 411 28

1.a) Eqv. Resistance

Theoretical	Experimental	Eppop	
1644.462	1647	0.152027	

1.b) Voltage

			Tell	. 8
Theoretical		Experimental		Eppop
voltage	current	voltage	current	Voltage
3.025	3.04 X 103	3.04	3.08×163	0.49%
0.26445	1.23×103	0.26	1.21×163	1.684.
0.32349	1.23x163	0.32	1.22×163	1.087.
0.588	1.8×63	0.59	1.81×163	0.347.
1.386	3.04 x 103	1,39	3.05x163	0.297
	Voltage 3.025 0.26445 0.32349	3.025 3.04 × 15 ³ 0.26445 1.23 × 15 ³ 0.32349 1.23 × 16 ³ 0.688 1.8 × 16 ³	3.025 3.04×15^3 3.04 0.26445 1.23×15^3 0.26 0.32349 1.23×15^3 0.32 0.688 1.8×15^3 0.59	3.0253.04 $\times 15^3$ 3.04 $\times 15^3$ 3.05 $\times 15^3$ 0.264451.23 $\times 15^3$ 0.261.21 $\times 15^3$ 0.323491.23 $\times 15^3$ 0.321.22 $\times 16^3$ 0.5881.8 $\times 16^3$ 0.591.81 $\times 16^3$

Jelos Joan

Experiment . 2:

ID: 220041118 220041120 220041122 22 0041124 22 0041126 22 0041128

Data sheet for exp-2:

voltage across R1	current Through R1
1.97	2
2.98	3
3.78	3.8
4.8	4.8
5.75	5.8
6.5	€.5
	1.97 2.98 3.78 4.8 5.75

Jil 05/02/2024