

# Experiment-1

Group no: 2

ID : 220041118  
220041120  
220041122  
220041124  
220041126  
220041128

Tables:

1. a) Eqv. Resistance

Theoretical	Experimental	Error
1644.462	1647	0.15202%

1. b) Voltage

Resistance	Theoretical		Experimental		Error
	Voltage	current	Voltage	current	Voltage
R <sub>1</sub>	3.025	$3.04 \times 10^{-3}$	3.04	$3.05 \times 10^{-3}$	0.49%
R <sub>2</sub>	0.26445	$1.23 \times 10^{-3}$	0.26	$1.21 \times 10^{-3}$	1.68%
R <sub>3</sub>	0.32349	$1.23 \times 10^{-3}$	0.32	$1.22 \times 10^{-3}$	1.08%
R <sub>4</sub>	0.588	$1.8 \times 10^{-3}$	0.59	$1.81 \times 10^{-3}$	0.34%
R <sub>5</sub>	1.386	$3.04 \times 10^{-3}$	1.39	$3.05 \times 10^{-3}$	0.29%

Ail 05/02/2024

## Experiment - 2:

ID : 220041118  
220041120  
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220041128

Data sheet for exp-2:

Supply Voltage	voltage across R <sub>1</sub>	current Through R <sub>1</sub>
2.3	1.97	2
3.46	2.98	3
4.32	3.78	3.8
5.6	4.8	4.8
6.6	5.75	5.8
7.5	6.5	6.5

Ad 05/02/2024