University of Jordan
School of Engineering
Electrical Engineering Department

EE 204
Electrical Engineering Lab

EXPERIMENT 2 REPORT & PRE-LAB
DC CIRCUITS

Section # _____ **Group #** _____

Student Name   **ID**

1.

2.

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EXPERIMENT 2
DC CIRCUITS

PROCEDURE A – CAPACITORS AND INDUCTORS IN DC CIRCUITS

3. What is the current divider equation for the current in resistor R_1?

. . . .

Table 1

	I_1 (mA)	I_2 (mA)	I_3 (mA)	$I_1+I_2+I_3$	I (mA)	V_{ae} (V)
Theory						
Measured						

5. What happens to inductors in DC circuits?

. . . .

6. What happens to capacitors in DC circuits?

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PROCEDURE B – NODAL AND MESH ANALYSIS

3. What was the nodal equation you wrote at node b?

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Table 2

	V_{ae} (V)	V_{be} (V)	V_{ce} (V)	V_{de} (V)
Theory				
Measured				
Deviation (%)				

5. What was the mesh equation you wrote for the *left* mesh?

. . . .

Table3

	I_1 (mA)	I_2 (mA)	I_3 (mA)	I_4 (mA)
Theory				
Measured				
Deviation (%)				

CONCLUSIONS

Summarize in clear but concise format what you learned from this experiment:

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** End **