

Experiment 1

Introduction to the Circuits and Electronics Lab

In-Lab Report

Exercise C-1: Write the values of the all the resistors you have in your lab component box.

	Resistor Value	Resistor Color
1.	(1200000 +/- 5%) ohms	Brown, Red , Green, Gold
2.	(22000 +/- 5%) ohms	Red, Red, Orange, Gold
3.	(10000 +/- 5%) ohms	Brown, Black, Orange,Gold
4.	(41 +/- 5%) ohms	Yellow,Brown,Black,Gold
5.	(330000 +/- 5%) ohms	Orange,Orange,Yellow,Gold

Exercise C-2: Write the values of the all the capacitors you have in your lab component box.

	Capacitor Value	Capacitor Code
1.	0.01 Micro Farads	Ceramic .01 M
2.	0.1 Micro Farads	Ceramic .1 M
3.	100 Micro Farads	Electrolyte
4.	10 Micro Farad	Electrolyte
5.	47 Micro Farad	Electrolyte

Exercise C-3: Write the values of the all the inductors you have in your lab component box.

	Inductor Value	Inductor Code
1.	(220 +/- 5%) micro henry	Red,Red,Brown,Gold
2.	(470 +/- 5%) micro henry	Yellow,Violet,Brown,Gold
3.	(1.5 +/- 5%) ohms	Brown,Green,Gold,Gold
4.	(41000 +/- 5%) ohms	Yellow,Brown,Orange,Gold
5.	(68 +/- 5%) ohms	Blue,Gray,Black,Gold