Started on	Wednesday, 10 July 2019, 8:58 PM
State	Finished
Completed on	Wednesday, 10 July 2019, 9:00 PM
Time taken	2 mins 33 secs
Grade	**38.00** out of 38.00 (**100**%)

Question 1

Correct

Mark 2.00 out of 2.00

1,200mV is equal to:

Select one:

- a. 1.2v ✓
- b. 12v
- c. 0.0012v
- d. 0.12v

The correct answer is: 1.2v

Question 2

Correct

Mark 2.00 out of 2.00

1mA is equal to:

Select one:

- a. 0.01A
- b. 0.1A
- c. 0.00001A
- d. 0.001A ✓

The correct answer is: 0.001A

Question 3

Correct

Mark 2.00 out of 2.00

A 10k resistor in parallel with 10k produces:

Select one:

- a. 10k
- b. 5k ✓
- c. 20k
- d. Cannot be determined

The correct answer is: 5k

Question 4

Correct

Mark 2.00 out of 2.00

A DC voltage . . .

Select one:

- a. remains constant ✓
- b. rises and falls
- c. is a sinewave
- d. is an audio waveform

The correct answer is: remains constant

Question 5

Correct

Mark 2.00 out of 2.00

A red-red-red-gold resistor in series with an orange-orange-orange-gold resistor produces:

Select one:

- a. 5k5 ohms
- b. 35,200 ohms ✓
- c. 55k ohms
- d. None of the above

The correct answer is: 35,200 ohms

Question 6

Correct

Mark 2.00 out of 2.00

Choose the set that has 4 resistors in ascending order.

Select one:

- a. 4k7 10k 47R 330k
- b. 22R 270k 2k2 1M
- c. 3R3 4R7 22R 5k6 ✓
- d. 100R 10k 1M 3k3

The correct answer is: 3R3 4R7 22R 5k6

Question 7

Correct

Mark 2.00 out of 2.00

For the AND gate, what is the output when both inputs are HIGH:

Select one:

- a. Can be HIGH or LOW
- b. Cannot be determined
- c. LOW
- d. HIGH ✓

The correct answer is: HIGH

Question 8

Correct

Mark 2.00 out of 2.00

For the XOR gate, what is the output when both inputs are HIGH:

Select one:

- a. LOW ✓
- b. HIGH
- c. Cannot be determined
- d. Can be HIGH or LOW

The correct answer is: LOW

Question 9

Correct

Mark 2.00 out of 2.00

If a 10k resistor is placed across a 10v supply, the current will be:

Select one:

- a. 0.01mA
- b. 10mA
- c. 0.1mA
- d. 1mA ✓

The correct answer is: 1mA

Question 10

Correct

Mark 2.00 out of 2.00

If two resistors are placed in series, is the final resistance:

Select one:

- a. Higher ✓
- b. Lower
- c. The same
- d. Cannot be determined

The correct answer is: Higher

Question 11

Correct

Mark 2.00 out of 2.00

The current requirement of a LED is:

Select one:

- a. 1.7mA
- b. 25mA
- c. 65mA
- d. Between 3 and 35mA ✓

The correct answer is: Between 3 and 35mA

Question 12

Correct

Mark 2.00 out of 2.00

To obtain a higher value of resistance, resistors are connected in:

Select one:

- a. Reverse
- b. Series ✓
- c. Forward
- d. Parallel

The correct answer is: Series

Question 13

Correct

Mark 2.00 out of 2.00

Using the color code below, determine the value of each of the resistors. Hint: You may want to use Lab 0 Appendix B for the resistor color code. Color code : red, orange, red

Select one:

- a. 3200 ohms
- b. 320 ohms
- c. 230 ohms
- d. 2300 ohms ✓

The correct answer is: 2300 ohms

Question 14

Correct

Mark 2.00 out of 2.00

Using the color code below, determine the value of each of the resistors. Hint: You may want to use Lab0 Appendix B for the resistor color code. Color code : brown, black, orange

Select one:

- a. 10 K ohms ✓
- b. 1 K ohms
- c. 100 K ohms
- d. 100 ohms

The correct answer is: 10 K ohms

Question 15

Correct

Mark 2.00 out of 2.00

Using the color code below, determine the value of each of the resistors. Hint: You may want to use Lab0 Appendix B for the resistor color code. Color code : orange, orange, orange

Select one:

- a. 330 K ohms
- b. 33 K ohms ✓
- c. 330 ohms
- d. 3.3 K ohms

The correct answer is: 33 K ohms

Question 16

Correct

Mark 2.00 out of 2.00

Using the color code below, determine the value of each of the resistors. Hint: You may want to use Lab0 Appendix B for the resistor color code. Color code : brown, black, green

Select one:

- a. 10 K ohms
- b. 1 K ohms
- c. 1 M ohms ✓
- d. 100 K ohms

The correct answer is: 1 M ohms

Question 17

Correct

Mark 2.00 out of 2.00

Using the color code below, determine the value of each of the resistors. Hint: You may want to use Lab0 Appendix B for the resistor color code. Color code : red-red-red-gold

Select one:

- a. 2.2 K ohms 5% ✓
- b. 2.2 K ohms 10%
- c. 2.2 K ohms 2%
- d. 2.2 K ohms 1%

The correct answer is: 2.2 K ohms 5%

Question 18

Correct

Mark 2.00 out of 2.00

What does the acronym LED mean?

Select one:

- a. Light Emitting Display
- b. Low Energy Display
- c. Light Emitting Diode ✓
- d. Light Emitting Detector

The correct answer is: Light Emitting Diode

Question 19

Correct

Mark 2.00 out of 2.00

What is the approximate characteristic voltage that develops across A red LED?

Select one:

- a. 1.7 V ✓
- b. 0.6 V
- c. 5 V
- d. 3.4 V

The correct answer is: 1.7 V

◄ Lab Assessment

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