CS 2040 Embedded Systems: How to use a multimeter

1. How do you use a multimeter to measure voltage?

A. By connecting the multimeter to the circuit and measuring the current

B. By connecting the multimeter to the circuit and measuring the voltage

C. By connecting the multimeter to the circuit and measuring the resistance

D. By connecting the multimeter to the circuit and measuring the capacitance

2. How do you use a multimeter to measure current?

A. By connecting the multimeter to the circuit and measuring the current

B. By connecting the multimeter to the circuit and measuring the voltage

C. By connecting the multimeter to the circuit and measuring the resistance

D. By connecting the multimeter to the circuit and measuring the capacitance

3. How do you use a multimeter to measure resistance?

A. By connecting the multimeter to the circuit and measuring the current

B. By connecting the multimeter to the circuit and measuring the voltage

C. By connecting the multimeter to the circuit and measuring the resistance

D. By connecting the multimeter to the circuit and measuring the capacitance

4. How do you use a multimeter to measure capacitance?

A. By connecting the multimeter to the circuit and measuring the current

B. By connecting the multimeter to the circuit and measuring the voltage

C. By connecting the multimeter to the circuit and measuring the resistance

D. By connecting the multimeter to the circuit and measuring the capacitance

5. Which of the following is not a function of a multimeter?

A. To measure voltage

B. To measure current

C. To measure resistance

D. To measure inductance

6. Which of the following is not a multimeter setting?

A. AC

B. DC

C. Auto

D. Manual

7. What is the best way to measure voltage with a multimeter?

A. By connecting the multimeter to the circuit and measuring the current

B. By connecting the multimeter to the circuit and measuring the voltage

C. By connecting the multimeter to the circuit and measuring the resistance

D. By connecting the multimeter to the circuit and measuring the capacitance

8. What is the best way to measure current with a multimeter?

A. By connecting the multimeter to the circuit and measuring the current

B. By connecting the multimeter to the circuit and measuring the voltage

C. By connecting the multimeter to the circuit and measuring the resistance

D. By connecting the multimeter to the circuit and measuring the capacitance

9. What is the best way to measure resistance with a multimeter?

A. By connecting the multimeter to the circuit and measuring the current

B. By connecting the multimeter to the circuit and measuring the voltage

C. By connecting the multimeter to the circuit and measuring the resistance

D. By connecting the multimeter to the circuit and measuring the capacitance

10. What is the best way to measure capacitance with a multimeter?

A. By connecting the multimeter to the circuit and measuring the current

B. By connecting the multimeter to the circuit and measuring the voltage

C. By connecting the multimeter to the circuit and measuring the resistance

D. By connecting the multimeter to the circuit and measuring the capacitance

11. Which of the following is not a multimeter safety precaution?

A. Do not use the multimeter in wet conditions

B. Do not use the multimeter near flammable materials

C. Do not use the multimeter near live electrical circuits

D. Do not use the multimeter near strong magnetic fields

12. Which of the following is not a multimeter use tip?

A. Use the multimeter in a well-ventilated area

B. Use the multimeter only for its intended purpose

C. Use the multimeter only when necessary

D. Use the multimeter with caution

Answer Key:

1. B
2. A
3. C
4. D
5. D
6. D
7. B
8. A
9. C
10. D
11. D
12. D