

Name: _____

Date: _____

1. When measuring a voltage drop, if the specifications indicate a maximum voltage drop of 0.2 volt and the meter reads "AUTO" and "43.6 mV", what does this reading mean?

- A. The voltage drop is 0.436 volt.
- B. The voltage drop is 4.36 volt.
- C. The voltage drop is 0.0436 volt.
- D. The voltage drop is 436 volt.

2. If a spark plug wire should have a resistance of less than 10,000 ohms for each foot and it's 3 feet long, what's the maximum allowable resistance?

- A. 10,000 ohms
- B. 20,000 ohms
- C. 40,000 ohms
- D. 30,000 ohms

3. What does a 50% duty cycle indicate?

- A. A device is commanded on all of the time.
- B. A device is commanded off all of the time.
- C. A device is commanded on 25% of the time.
- D. A device is commanded on half of the time.

4. What unit is frequency measured in?

- A. Ohms
- B. Volts
- C. Hertz
- D. Amperes

5. What does the prefix "kilo" (k) represent?

- A. 1,000
- B. 1,000,000
- C. 1/1,000
- D. 1/1,000,000

6. What voltage does a meter display when testing silicon diodes?

- A. 0.4 to 0.7 volt
- B. 1.5 to 2.3 volts
- C. 3 volts
- D. 5 volts

7. What does a 3 1/2-digit meter display up to in terms of counts of resolution?

- A. 1,999 counts
- B. 19,000 counts
- C. 3,200 counts
- D. 4,000 counts

8. What does "Infinity" mean on an ohmmeter?

- A. Zero resistance
- B. Maximum resistance
- C. No connection or open circuit
- D. Short circuit

9. If a digital multimeter displays "14.85 k Ω ", what is the equivalent resistance in ohms?

- A. 1,485 ohms
- B. 14,850 ohms
- C. 148,500 ohms
- D. 1,485,000 ohms

10. If a meter reads "AUTO" and "14.85 k Ω ", what is the reading in kilohms?

- A. 1.485 k Ω
- B. 14.85 k Ω
- C. 148.5 k Ω
- D. 1,485 k Ω

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Chapter 39

Multiple Choice Quiz A

Answer Key

1. C

2. D

3. D

4. C

5. A

6. A

7. A

8. C

9. B

10. B