

Name: _____

Date: _____

1. What is the term used for the transparent scale on an oscilloscope display used for reference measurements?
 - A. Grid
 - B. Graticule
 - C. Division
 - D. Box

2. A signal showing the voltage of a battery displayed on a digital storage oscilloscope (DSO) shows what?
 - A. One horizontal line above the zero line.
 - B. A line sloping upward from zero to the battery voltage level.
 - C. A zigzag pattern.
 - D. A vertical line.

3. If the time base is set to 50 milliseconds per division, what is the duration of the waveform that can be viewed?
 - A. 50 ms
 - B. 200 ms
 - C. 400 ms
 - D. 500 ms

4. To observe a throttle position sensor waveform from 0 to 5 volts, the volts per division should be set to?
 - A. 0.5 V/div
 - B. 1.0 V/div
 - C. 2.0 V/div
 - D. 5.0 V/div

5. Which statement about the DC coupling setting on a DSO is correct?
 - A. It allows both the DC and AC signals of the waveform to be displayed.
 - B. It allows just the DC part of the waveform to be displayed.
 - C. It blocks both DC and AC signals.
 - D. It inverts the waveform.

6. Which term describes voltage signals (waveforms) that do not go below zero?
 - A. AC signals
 - B. Pulse trains
 - C. DC-coupled signals
 - D. Pulse width

7. To view more than one waveform at the same time, what type of DSO is needed?
 - A. Single channel
 - B. Two channel
 - C. Four channel
 - D. Either b or c

8. Oscilloscopes typically use which type of lead connector?

- A. Banana plugs
- B. Double banana plugs
- C. BNC
- D. Single conductor plugs

9. A waveform can be displayed on a _____.

- A. Graphing multimeter (GMM)
- B. DMM
- C. Scan tool
- D. Either A or C

10. What is a pulse train signal?

- A. A continuous electrical signal.
- B. An electrical signal that turns on and off in a series of pulses.
- C. A signal that remains constant over time.
- D. A signal that varies in frequency but not amplitude.

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Chapter 40

Multiple Choice Quiz A

Answer Key

1. B

2. A

3. D

4. B

5. A

6. C

7. D

8. C

9. D

10. B