

Name \_\_\_\_\_

**MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question.**

- 1) A signal showing the voltage of a battery displayed on a digital storage oscilloscope (DSO) is being discussed. Technician A says that the display will show one horizontal line above the zero line. Technician B says that the display will show a line sloping upward from zero to the battery voltage level. Which technician is correct? 1) \_\_\_\_\_
- A) Technician A
  - B) Technician B
  - C) Both technicians
  - D) Neither technician
- 2) \_\_\_\_\_ the time base setting reduces the number of samples per second. 2) \_\_\_\_\_
- A) Increasing
  - B) Decreasing
  - C) Dividing
  - D) None of these
- 3) An oscilloscope display is called a \_\_\_\_\_. 3) \_\_\_\_\_
- A) Grid
  - B) Graticule
  - C) Division
  - D) Box
- 4) Technician A says that an analog scope can store the waveform for viewing later. Technician B says that the trigger level has to be set on most scopes to be able to view a changing waveform. Which technician is correct? 4) \_\_\_\_\_
- A) Technician A
  - B) Technician B
  - C) Both technicians
  - D) Neither technician
- 5) Technician A says that voltage is usually indicated on the horizontal display axis. Technician B says that time is usually indicated on the horizontal display axis. Which technician is correct? 5) \_\_\_\_\_
- A) Technician A
  - B) Technician B
  - C) Both technicians
  - D) Neither technician
- 6) Voltage signals (waveforms) that do not go below zero are called \_\_\_\_\_. 6) \_\_\_\_\_
- A) AC signals
  - B) Pulse trains
  - C) DC signals
  - D) DC coupled signals

- 7) Which of these is measured as a percentage? 7) \_\_\_\_\_  
A) Duty cycle  
B) Dwell  
C) Pulse width  
D) None of these
- 8) Which of these terms is a measure of the actual on-time measured in milliseconds? 8) \_\_\_\_\_  
A) Frequency  
B) Pulse width  
C) Period  
D) Amplitude
- 9) A time base setting of 1ms/div will show a total time of \_\_\_\_\_ on the scope display 9) \_\_\_\_\_  
A) 10 ms  
B) 1 ms  
C) 100 ms  
D) None of these
- 10) A digital meter that can show waveforms is a \_\_\_\_\_. 10) \_\_\_\_\_  
A) DVOM  
B) DMM  
C) GMM  
D) DSO

## Answer Key

Testname: AAEE\_5B

- 1) A  
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- 2) A  
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- 3) B  
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- 4) B  
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- 5) B  
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- 6) B  
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- 7) A  
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- 8) B  
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- 9) A  
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- 10) C  
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