

Name _____

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

- 1) _____ the time base setting reduces the number of samples per second. 1) _____
A) Increasing
B) Decreasing
C) Dividing
D) None of these
- 2) Setting the time base to 50 ms per division will allow the technician to view a waveform how long in duration? 2) _____
A) 50 ms
B) 200 ms
C) 400 ms
D) 500 ms
- 3) Which of these is measured as a percentage? 3) _____
A) Duty cycle
B) Dwell
C) Pulse width
D) None of these
- 4) A signal showing the voltage of a battery displayed on an analog oscilloscope 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? 4) _____
A) Technician A only
B) Technician B only
C) Both technicians A and B
D) Neither technician A nor B
- 5) A digital storage oscilloscope is set to begin displaying a waveform when a certain voltage is detected. This minimum voltage is called _____. 5) _____
A) trigger
B) threshold
C) trip
D) None of these
- 6) A time base setting of 1ms/div will show a total time of _____ on the scope display 6) _____
A) 10 ms
B) 1 ms
C) 100 ms
D) None of these

- 7) A typical DSO display screen is arranged in an _____ grid. 7) _____
A) 8×10
B) 6×8
C) 8×8
D) None of these
- 8) Voltage signals (waveforms) that do not go below zero are called _____. 8) _____
A) AC signals
B) pulse trains
C) pulse width
D) DC coupled signals
- 9) A throttle position sensor waveform is going to be observed. At what setting should the volts per division be set to see the entire waveform from 0 volts to 5 volts? 9) _____
A) 0.5 V/Div
B) 1.0 V/Div
C) 2.0 V/Div
D) 5.0 V/Div
- 10) Two technicians are discussing the DC coupling setting on a DSO. Technician A says that the position allows both the DC and AC signals of the waveform to be displayed. Technician B says that this setting allows just the DC part of the waveform to be displayed. Which technician is correct? 10) _____
A) Technician A only
B) Technician B only
C) Both technicians A and B
D) Neither technician A nor B

Answer Key

Testname: AEEP8_7A

1) A

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2) D

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3) A

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4) A

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5) A

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6) A

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7) A

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8) B

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9) B

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10) A

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