

Name _____

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

- 1) The SAE term for the vehicle computer is _____. 1) _____
 - A) PCM
 - B) ECM
 - C) ECA
 - D) Controller

- 2) Which computer function describes how the computer handles inputs? 2) _____
 - A) Process
 - B) Input
 - C) Storage
 - D) Output

- 3) Which term describes the process of adjusting variables such as speed, load, and spark timing to determine the optimum output settings for the computer? 3) _____
 - A) Engine mapping
 - B) Signal conditioning
 - C) Performance programming
 - D) Reflashing

- 4) Which item is a computer input sensor? 4) _____
 - A) RPM
 - B) Throttle position angle
 - C) Engine coolant temperature
 - D) All of the above

- 5) Analog signals from sensors are changed to digital signals for processing by the computer through which type of circuit? 5) _____
 - A) Digital
 - B) Analog
 - C) Analog-to-digital converter
 - D) PROM

- 6) Which component contains the information in the computer that is specific to the particular model vehicle? 6) _____
 - A) PROM, EPROM, or EEPROM
 - B) RAM
 - C) Transistor
 - D) Analog to digital converter

- 7) The ratio of on time relative to the period of the complete cycle is the _____. 7) _____
 - A) Duty cycle
 - B) Pulse width modulation
 - C) Frequency
 - D) Amplitude

- 8) All OBD-II vehicles use what type of read-only memory? 8) _____
- A) ROM
 - B) PROM
 - C) EPROM
 - D) EEPROM
- 9) Which sensor is used to determine engine load? 9) _____
- A) MAP
 - B) RPM
 - C) TP
 - D) ECT
- 10) Pulse width modulation is used to provide variable fan speeds for the engine cooling fan. 10) _____
- A) True
 - B) False

Answer Key

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1) A

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2) A

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3) A

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4) D

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5) C

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6) A

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7) B

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8) D

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9) A

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10) A

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