

Name _____

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

- 1) Technician A says that backup sensors use LEDs to detect objects. Technician B says that a backup sensor will not work correctly if the paint is thicker than 0.006 inch. Who is right? 1) _____
A) A only
B) B only
C) Both A and B
D) Neither A nor B
- 2) The sending unit in a typical fuel gauge includes a _____. 2) _____
A) Float
B) Fixed resistor
C) Zener diode
D) Diaphragm
- 3) Technician A says that the data displayed on the dash can come from the engine computer. Technician B says that a network fault could cause the instruments to not work. Who is right? 3) _____
A) A only
B) B only
C) Both A and B
D) Neither A nor B
- 4) A dash warning light that looks like a battery means _____. 4) _____
A) A fault with the battery
B) A fault with the alternator
C) A fault with the electrical system
D) Any of the above
- 5) The OnStar system operates by using GPS data and _____. 5) _____
A) Cellular telephone service
B) Satellite telephone data
C) Both A and B
D) Neither A nor B
- 6) When the oil pressure drops to between _____ and _____ PSI, the oil pressure lamp lights. 6) _____
A) 3 and 7
B) 10 and 30
C) 30 and 50
D) 50 and 70
- 7) A vehicle with a lane departure warning system uses sensors or cameras to monitor _____. 7) _____
A) Road line markings
B) Vehicles behind and in front
C) Roadside tree density
D) Road surface roughness

8) Technician A says that most digital and analog (needle-type) dash gauges use variable resistance sensors. Technician B says that permanent-magnet (PM) generators produce an AC signal and are used for vehicle speed and wheel speed sensors. Who is right? 8) _____

- A) A only
- B) B only
- C) Both A and B
- D) Neither A nor B

9) Most vehicles today use the _____ for an input to the engine temperature display. 9) _____

- A) ECT sensor
- B) radiator temperature sending unit
- C) Coolant range sensor
- D) None of these

10) The parking brake switch is in a circuit that illuminates a _____ color light in the instrument cluster. 10) _____

- A) Red
- B) Amber
- C) Green
- D) None of these

Answer Key

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1) B

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2) A

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3) C

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4) D

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5) A

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6) A

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7) A

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8) C

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9) A

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10) A

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