

Name _____

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

- 1) GMLAN is the General Motors term for which type of module communication? 1) _____
A) UART
B) Class 2
C) High-speed CAN
D) Keyword 2000

- 2) Two technicians are measuring the resistance of the CAN bus at DLC terminals 6 and 14. The DVOM reads 120 ohms. Technician A says that the CAN bus is OK. Technician B says that the CAN bus is shorted. Who is right? 2) _____
A) Technician A only
B) Technician B only
C) Both A and B
D) Neither A nor B

- 3) When checking the terminating resistors of a CAN with an ohmmeter a good reading is _____ ohms. 3) _____
A) 120
B) 240
C) 4.6
D) 60

- 4) A module is also known as a _____. 4) _____
A) BUS
B) Node
C) Terminator
D) Resistor pack

- 5) A DMM set to read DC volts is connected across terminals 6 and 14 of the DLC. The meter reads zero volts at all times, key on or key off. This indicates _____. 5) _____
A) A CAN BUS shorted to ground
B) A low temperature condition
C) Headlights are OFF
D) Bad UART output

- 6) Low-speed networks operate at less than _____ bits per second. 6) _____
A) 2,000
B) 5,000
C) 10,000
D) 8,000

- 7) Technician A says that module communications networks are used to reduce the number of wires in a vehicle. Technician B says that a communications network is used to share data from sensors, which can be used by many different modules. Who is right? 7) _____
- A) Technician A only
 - B) Technician B only
 - C) Both technicians A and B
 - D) Neither technician A nor B
- 8) Which of these is a single-wire serial communications protocol, using one master control module and many slave modules? 8) _____
- A) GMLAN
 - B) Motorola Interconnect (MI)
 - C) Media Oriented System Transport (MOST)
 - D) Flexray BUS
- 9) Technician A says that a CANDi module will flash the RED LED rapidly if communication is detected. Technician B says that a twisted pair is where two wires are twisted to prevent electromagnetic radiation from affecting the signals passing through the wires. Who is right? 9) _____
- A) Technician A only
 - B) Technician B only
 - C) Both A and B
 - D) Neither A nor B
- 10) How do CAN H and CAN L operate? 10) _____
- A) CAN H is at 2.5 volts when not transmitting
 - B) CAN L is at 2.5 volts when not transmitting
 - C) CAN H goes to 3.5 volts when transmitting
 - D) All of the above are correct

Answer Key

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1) C

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2) D

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3) D

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4) B

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5) A

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6) C

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7) C

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8) B

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9) B

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10) D

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