Automotive Electricity and Electronics, 6th Edition
Quiz 17B

Name_____

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

1) The process of sending multiple signals of information at the same time over a signal wire and then separating the signals at the receiving end is which of these? 1) _____
A) Controller Area Network
B) Multiplexing
C) Modulating
D) Rectifying

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

3) A module is also known as a _____. 3) _____
A) BUS
B) Node
C) Terminator
D) Resistor pack

4) 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 _____. 4) _____
A) A CAN BUS shorted to ground
B) A low temperature condition
C) Headlights are OFF
D) Bad UART output

5) GM Class 2 communication toggles between _____. 5) _____
A) 5 and 7 volts
B) 0 and 12 volts
C) 7 and 12 volts
D) 0 and 7 volts

6) The UART data BUS operates at a baud rate of _____ bps. 6) _____
A) 5543
B) 8211
C) 8192
D) 8182

7) A high-speed CAN BUS communicates with a scan tool through which terminals? 7) _____
A) 6 and 14
B) 2 and 5
C) 7 and 15
D) 4 and 16

8) UART uses a _____ signal that toggles 0. 8) _____

A) 5-volt
B) 7-volt
C) 8-volt
D) 12-volt

9) Which terminal of the OBD-II data link connector is the chassis ground for all vehicles? 9) _____

A) 4
B) 5
C) 1
D) 3

10) Which of these is a single-wire serial communications protocol, using one master control module and many slave modules? 10) _____

A) GMLAN
B) Motorola Interconnect (MI)
C) Media Oriented System Transport (MOST)
D) Flexray BUS

Answer Key
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1) B
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2) C
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3) B
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4) A
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5) B
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6) C
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8) A
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