

Name \_\_\_\_\_

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

- 1) The UART data BUS operates at a baud rate of \_\_\_\_\_ bps. 1) \_\_\_\_\_  
A) 5543  
B) 8211  
C) 8192  
D) 8182
  
- 2) 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 called \_\_\_\_\_. 2) \_\_\_\_\_  
A) controller area network  
B) multiplexing  
C) modulating  
D) rectifying
  
- 3) A data bus is being checked for voltage activity. Both the DMM and the oscilloscope show a constant zero volts with the key on or off. This indicates \_\_\_\_\_. 3) \_\_\_\_\_  
A) a sleeping module  
B) the data line is shorted to ground  
C) normal activity  
D) none of these
  
- 4) A data line has been diagnosed as being shorted to ground. Which of these would be the next step in diagnosing this problem? 4) \_\_\_\_\_  
A) Unplug modules one at a time and re-test the data line.  
B) Disconnect the battery and then test the data line.  
C) Replace the BCM.  
D) Replace the alternator.
  
- 5) Terminal 16 of the OBD-II data link connector is used for what? 5) \_\_\_\_\_  
A) Chassis ground  
B) 12 volts positive  
C) Module (signal ground)  
D) Manufacturer 's discretion
  
- 6) GM Class 2 communication toggles between \_\_\_\_\_. 6) \_\_\_\_\_  
A) 5 and 7 volts  
B) 0 and 12 volts  
C) 7 and 12 volts  
D) 0 and 7 volts
  
- 7) A module is also known as a \_\_\_\_\_. 7) \_\_\_\_\_  
A) BUS  
B) node  
C) terminator  
D) resistor pack

- 8) Which terminal of the data link connector does General Motors use for Class 2 communication? 8) \_\_\_\_\_
- A) 1
  - B) 2
  - C) 3
  - D) 4
- 9) Network diagnosis is being discussed. Technician A says that a test light can be used at the DLC to determine if the CAN bus has activity. Technician B says that a break-out box can be used to determine if there is activity on the CAN bus. Who is correct? 9) \_\_\_\_\_
- A) Technician A only
  - B) Technician B only
  - C) Both technicians are correct
  - D) Neither technician is correct
- 10) Which of these, commonly called D2B, is an optical BUS system connecting audio, video, computer and telephone components in a single-ring structure with a speed of up to 5,600,000 bps? 10) \_\_\_\_\_
- A) Flexray BUS
  - B) CAN Network
  - C) GMLAN
  - D) Domestic Digital BUS

## Answer Key

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1) C

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2) B

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3) B

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4) A

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5) B

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6) D

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7) B

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8) B

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9) B

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10) D

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