

Automotive Technology 7th Edition
Chapter 46
Multiple Choice Quiz B

Name: _____ Date: _____

1. What is the purpose of a gateway module in vehicle communications?
 - A. To increase the speed of the network.
 - B. To act as a bridge between different communication protocols.
 - C. To store data for future use.
 - D. To act as a backup for other modules.

2. Which of the following is NOT a type of communication mentioned in the chapter?
 - A. Differential
 - B. Parallel
 - C. Diagonal
 - D. Serial data

3. What is the primary purpose of multiplexing in vehicle communications?
 - A. To increase the speed of communication.
 - B. To send multiple signals of information at the same time over a single wire.
 - C. To reduce the number of modules in a vehicle.
 - D. To act as a backup for other communication methods.

4. Which terminal of the OBD-II data link connector is used for the signal ground for CAN vehicles, including Asian vehicles?
 - A. 1
 - B. 3
 - C. 4
 - D. 5

5. What is the primary function of the body control module when the driver depresses the window-down switch?
 - A. To send a window-down message to the body control module.
 - B. To directly lower the window.
 - C. To turn on the vehicle's headlights.
 - D. To alert the driver of a potential obstacle.

6. What is the purpose of twisting the two wires in network communications?
 - A. To increase the strength of the signal.
 - B. To cancel out the induced voltage.
 - C. To make the wires look aesthetically pleasing.
 - D. To increase the length of the wires.

7. In which type of BUS communication is a difference in voltage applied to two wires?
 - A. Parallel
 - B. Serial data
 - C. Multiplexing
 - D. Differential

8. What is the primary purpose of the terminating resistors in a high-speed BUS system?

- A. To increase the speed of data transmission.
- B. To help reduce interference into other systems in the vehicle.
- C. To act as a backup in case of module failure.
- D. To increase the voltage of the BUS system.

9. Which of the following is a type of module communication used by General Motors?

- A. CCD
- B. Class 2
- C. High-speed CAN
- D. MOST

10. Which terminal of the OBD-II data link connector is used for 12-volt positive?

- A. Chassis ground
- B. 12 volt positive
- C. Module (signal ground)
- D. Manufacturer's discretion

Automotive Technology 7th Edition

Chapter 46

Multiple Choice Quiz B

Answer Key

1. B

2. C

3. B

4. D

5. A

6. B

7. D

8. B

9. C

10. B