

Name: _____ Date: _____

1. What is the purpose of a communication network in vehicles?
 - A. To increase the number of wires in a vehicle.
 - B. To share data from sensors which can be used by many different modules.
 - C. To improve the aesthetics of the vehicle's interior.
 - D. To make the vehicle heavier.

2. What is another term for a module in the context of vehicle communication networks?
 - A. Bus
 - B. Node
 - C. Terminator
 - D. Resistor pack

3. Which terminals are used for high-speed CAN BUS communication with a scan tool?
 - A. 6 and 14
 - B. 2
 - C. 7 and 15
 - D. 4 and 16

4. In a star link network, where does a serial data line connect all of the modules?
 - A. A central point
 - B. Each other
 - C. The vehicle fuse box
 - D. Chassis ground

5. What does the term "collision" mean in the CCD protocol?
 - A. Prevents a crash
 - B. Prevents conflicts
 - C. Used by the airbag system only
 - D. None of the above

6. Why are two wires twisted when used for network communications?
 - A. To improve the aesthetics of the wiring.
 - B. To increase the strength of the wires.
 - C. To reduce electromagnetic interference.
 - D. To make the wires longer.

7. What is the purpose of the terminating resistors in a communication network?
 - A. To increase the speed of communication.
 - B. To add weight to the network.
 - C. To make the network look complex.
 - D. To help reduce interference into other systems in the vehicle.

8. Which of the following is NOT an advantage of connecting modules together in a network?

- A. Decreased number of wires.
- B. Sharing of common sensor data.
- C. Increased complexity making servicing harder.
- D. Saving weight and cost.

9. What is a protocol in the context of module communications?

- A. A set of rules, or a standard used between electronic control modules.
- B. A type of module used in older vehicles.
- C. A new technology replacing module communications.
- D. A type of wire used in module communications.

10. In which type of network are all modules connected to each other by a serial data line until all are connected in a ring?

- A. Star link network
- B. Parallel network
- C. Ring link network
- D. Mesh network

Automotive Technology 7th Edition

Chapter 46

Multiple Choice Quiz A

Answer Key

1. B

2. B

3. A

4. A

5. B

6. C

7. D

8. C

9. A

10. C