

Name: _____ Date: _____

1. Which type of fire extinguisher should be used for electrical fires in the work area?
 - A. Class A
 - B. Class B
 - C. Class C
 - D. Class D

2. What additional safety equipment is recommended by some manufacturers to be available outside the safety zone?
 - A. A 10-foot insulated fiberglass pole
 - B. An additional set of insulated rubber mats
 - C. A second set of safety equipment
 - D. Both A and C

3. What is the maximum voltage that can be present in the electrical systems of hybrid and electric vehicles?
 - A. 300 volts DC
 - B. 600 volts DC
 - C. 1000 volts DC
 - D. 1200 volts DC

4. What is the purpose of the safety interlock system?
 - A. To detect when there has been an open in LV circuits associated with the HV system
 - B. To prevent the vehicle from starting
 - C. To lock the vehicle doors automatically
 - D. To enable the air conditioning system

5. What should NOT be used to test HV gloves due to the risk of damage?
 - A. Water
 - B. Shop air
 - C. A visual inspection
 - D. A glove air tester

6. What feature is NOT required for eye protection when testing for high voltage?
 - A. Plastic frames
 - B. Side shields
 - C. ANSI Z87.1 standard compliance
 - D. Metal frames

7. What indicates that a hybrid electric vehicle is shut off?
 - A. The engine is off
 - B. The READY indicator is off
 - C. The vehicle is in park
 - D. The tachometer is on "EV"

8. What is the correct procedure when a hybrid or electric vehicle's READY indicator is on?

- A. Assume the vehicle is shut off
- B. Assume the vehicle is powered by the electric motor only
- C. Assume the vehicle is powered by the gasoline engine only
- D. Assume the gasoline engine could start at any time

9. What is the correct use of insulated hand tools?

- A. They are mandatory for all manufacturers
- B. They provide an additional margin of safety when working around HV components
- C. They are only used for LV systems
- D. They are optional and not necessary for safety

10. What is the correct handling of insulated rubber mats and blankets?

- A. They should be placed over the technician
- B. They should be placed on the floor when there is an exposure to high voltage
- C. They are used for cleaning purposes only
- D. They should be used to cover the vehicle's seats

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Chapter 86

Multiple Choice Quiz B

Answer Key

1. C

2. D

3. B

4. A

5. B

6. D

7. B

8. D

9. B

10. B