

Name _____

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

- 1) The electrical terminals used for airbag systems are unique because they are plated with which of these metals? 1) _____
 - A) Solid copper
 - B) Tin plated heavy-gauge steel
 - C) Silver plated
 - D) Gold plated

- 2) Keeping the ignition key in you pocket can prevent damage to the clockspring during airbag service. 2) _____
 - A) True
 - B) False

- 3) How many sensors must be triggered at the same time to cause an airbag deployment? 3) _____
 - A) One
 - B) Two
 - C) Three
 - D) Four

- 4) On a vehicle equipped with an occupant detection system, how much weight is required in the seat before the passenger airbag deploys at full force? 4) _____
 - A) More than 99 lbs.
 - B) Between 10 and 37 lbs.
 - C) More than 40 lbs, but less than 99 lbs.
 - D) None of these

- 5) Which parameters might be stored in the airbag controller in the event of a deployment? 5) _____
 - A) Voice recordings
 - B) A 10 second video of the driver
 - C) Whether the windows were open or closed
 - D) Brakes on or off

- 6) A seat belt pretensioner is _____. 6) _____
 - A) a device that contains an explosive charge
 - B) used to remove slack from the seat belt in the event of a collision
 - C) used to force the occupant back into position against the seat back in the event of a collision
 - D) all of the above

- 7) The occupant detection system re-calibrates at every key cycle. 7) _____
 - A) True
 - B) False

8) A vehicle is being repaired after an airbag deployment. Technician A says that the inflator module should be handled as if it is still live. Technician B says rubber gloves should be worn to prevent skin irritation. Who is right? 8) _____

- A) Technician A only
- B) Technician B only
- C) Both technicians
- D) Neither technician

9) Which of these is an explosive (pyrotechnic) device that tightens the seat belt as the airbag is being deployed? 9) _____

- A) Belt switch
- B) Pretensioner
- C) Clockspring
- D) Igniter

10) When servicing an air bag, which of these is the first step taken? 10) _____

- A) Disconnect the battery negative cable
- B) Disconnect the clockspring electrical connector
- C) Take resistance measurements at all electrical connectors
- D) Disconnect the impact sensors