

Name _____

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

- 1) The purpose of a seat belt pretensioner is _____. 1) _____
A) To force the occupant into position against the seat back
B) To remove slack from the safety belt
C) Both A and B
D) Neither A nor B
- 2) Technician A says that airbag electrical terminals are copper-plated to protect against corrosion. Technician B says that pretensioners are explosive (pyrotechnic) devices which remove the slack from the seat belt and help position the occupant. Which technician is correct? 2) _____
A) Technician A only
B) Technician B only
C) Both technicians
D) Neither technician
- 3) A seat belt pretensioner is _____. 3) _____
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
- 4) Which parameters might be stored in the airbag controller in the event of a deployment? 4) _____
A) Voice recordings
B) A 10-second video of the driver
C) Whether the windows were open or closed
D) Seat belt fastened
- 5) During an airbag deployment, the vehicle event data recorder (EDR) will record all of these EXCEPT _____. 5) _____
A) Passenger voice sounds
B) Vehicle speed
C) Brake on/off
D) G-forces
- 6) Which of these is the heating element used to ignite the gas-generating material, usually sodium azide? 6) _____
A) Squib
B) Pretensioner
C) Coil
D) Element

- 7) Technician A says that two sensors must be triggered at the same time for an airbag deployment to occur. Technician B says that frontal airbags only operate within 60 degrees from center and do not deploy in the event of a side or rear collision. Which technician is correct? 7) _____
- A) Technician A only
 - B) Technician B only
 - C) Both technicians
 - D) Neither technician

- 8) Which airbag system component is shown in this illustration? 8) _____



- A) Arming sensor
 - B) Squib
 - C) Horn contact
 - D) Clockspring
- 9) The passenger airbag will not deploy if a small child is seated in the passenger seat. 9) _____
- A) True
 - B) False
- 10) The occupant detection system measures the _____ of the person in the passenger seat. 10) _____
- A) Height
 - B) Weight
 - C) Age
 - D) Distance from the seat belt

Answer Key

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1) C

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2) B

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3) D

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4) D

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5) A

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6) A

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7) A

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8) D

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9) A

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10) B

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