

Name _____

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

- 1) The passenger presence sensing system uses sensors located _____ to detect a passenger. 1) _____
A) in the instrument panel
B) in the seat cushion
C) under the passenger floor carpet
D) in the arm rest
- 2) Driver and/or passenger front airbags will only deploy if a collision occurs how many degrees from straight ahead? 2) _____
A) 20
B) 30
C) 45
D) 90
- 3) The force required to deploy a typical airbag is approximately equal to the force of a vehicle hitting a wall at over _____ miles per hour 3) _____
A) 15-10
B) 3-5
C) 10
D) 15
- 4) Which air bag system component is shown in this illustration? 4) _____



- A) Arming sensor
B) Squib
C) Horn contact
D) Clockspring

- 5) Technician A says that air bag 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. Who is right? 5) _____
- A) Technician A only
 - B) Technician B only
 - C) Both technicians
 - D) Neither technician
- 6) 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? 6) _____
- 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
- 7) Which of these is the heating element used to ignite the gas-generating material, usually sodium azide? 7) _____
- A) Squib
 - B) Pretensioner
 - C) Coil
 - D) Element
- 8) Before the airbag can inflate, the squib circuit must have a ground. The ground is provided through the actuation of which of these? 8) _____
- A) Forward discriminating sensor
 - B) Passenger discriminating sensor
 - C) Either A or B
 - D) Arming sensor
- 9) Where are shorting bars used? 9) _____
- A) In pretensioners
 - B) At the connectors for airbags
 - C) In the crash sensors
 - D) In the airbag controller
- 10) The electrical terminals used for airbag systems are unique because they are _____. 10) _____
- A) solid copper
 - B) tin plated heavy-gauge steel
 - C) silver plated
 - D) gold plated

Answer Key

Testname: AEEP8_26B

1) B

Page Ref: 416

2) B

Page Ref: 406

3) C

Page Ref: 406

4) D

Page Ref: 415

5) B

Page Ref: 406, 410

6) A

Page Ref: 416

7) A

Page Ref: 407

8) C

Page Ref: 407

9) B

Page Ref: 414

10) D

Page Ref: 408