Automotive Electrical and Engine Performance, 8th Edition
Quiz 21A

Name_____

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

1) Why should a technician never touch the glass ampoule of any halogen bulb? 1) _____
A) Oils from a finger can cause a shorter service life
B) The glass will crack
C) You can get a significant burn
D) The glass will melt from the heat of your finger

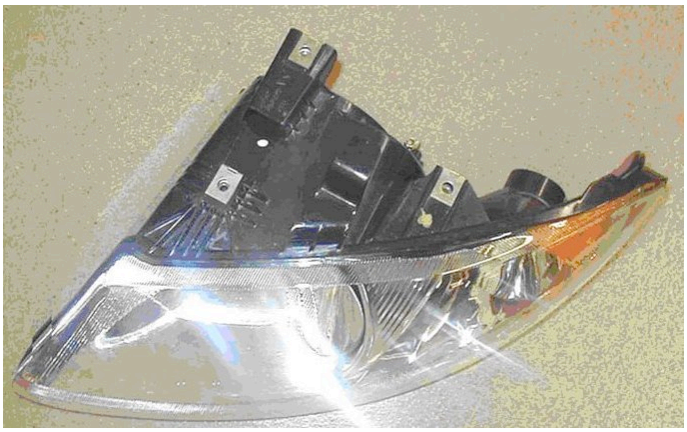
2) The HID lighting system consists of all of these components, EXCEPT _____. 2) _____
A) discharge arc source
B) igniter
C) ballast
D) filament

3) Technician A says that the bulb trade number is the same for all bulbs of the same size. 3) _____
Technician B says that a dual-filament bulb has different candlepower ratings for each filament.
Which technician is correct?
A) Technician A only
B) Technician B only
C) Both technicians A and B
D) Neither technician A nor B

4) Technician A says that high-intensity discharge (HID) headlights are brighter and have a blue 4) _____
tint. Technician B says that one defective turn signal bulb can cause the turn signal on the affected side to stop blinking (flashing). Which technician is correct?
A) Technician A only
B) Technician B only
C) Both technicians A and B
D) Neither technician A nor B

5) Electrical feedback is usually a result of _____. 5) _____
A) too high a voltage in circuit
B) too much current (amperage) in a circuit
C) lack of a proper ground
D) Both A and B

6) What type of headlight assembly is shown in the below illustration? 6) _____



A) Composite
B) Sealed Beam
C) HID (High Intensity Discharge)
D) Concealed Headlight assembly

7) Technician A says that daytime running lights (DRLs) light the headlights, usually at reduced intensity, whenever the engine is running. Technician B says high-intensity discharge (HID) headlights are brighter and have a yellow tint. Who is right? 7) _____

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

8) Headlights can be aimed by using _____. 8) _____

A) an aiming screen
B) a bubble level
C) Either A or B
D) Neither A nor B

9) A rear view mirror is being tested for proper auto-dimming operation. What should the technician check for? 9) _____

A) Make sure that the green power indicator light is on
B) Make sure that the power indicator light is red, then green
C) Check the operation of the dimmer knob
D) Open the mirror to check the fluid level (gel content)

10) Daytime running lights (DRLs) turn on the _____ when in operation. 10) _____

A) headlights in series or separate lights
B) side marker lights
C) driving lights
D) fog lights

Answer Key
Testname: AEEP8_21A

1) A
Page Ref: 321
2) D
Page Ref: 323
3) B
Page Ref: 315
4) A
Page Ref: 319, 323
5) C
Page Ref: 327
6) A
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7) A
Page Ref: 320, 323
8) C
Page Ref: 328
9) A
Page Ref: 329
10) A
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