

Name _____

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

- 1) Flasher units are being discussed. Technician A says that only a DOT-approved flasher unit should be used for turn signals. Technician B says that a parallel (variable-load) flasher will function for turn signal usage, although it will not warn the driver if a bulb burns out. Who is right? 1) _____
- A) A only
 - B) B only
 - C) Both A and B
 - D) Neither A nor B
- 2) The amount of light produced by a lamp is measured in which of these units? 2) _____
- A) Candlepower
 - B) Watts
 - C) Volts
 - D) Lightpower
- 3) A technician replaced one HID (High Intensity Discharge) headlight due to road debris damage. Which is the MOST likely result? 3) _____
- A) The new headlight is brighter
 - B) The headlight color will be different
 - C) New headlight is dimmer
 - D) Both B and C

4) Using the bulb table below, which bulb is brightest?

4) _____

BULB NUMBER	FILAMENTS	AMPERAGE	WATTAGE	CANDLEPOWER
		LOW/HIGH	LOW/HIGH	LOW/HIGH
7440	1	1.75	21.00	36.60
7443	2	0.42/1.75	5.00/21.00	2.80/36.60
17131	1	0.33	4.00	2.80
17635	1	1.75	21.00	37.00
17916	2	0.42/1.75	5.00/21.00	1.20/35.00
Parking, Daytime Running Lamps				
24	1	0.24	3.36	2.00
67	1	0.59	7.97	4.00
168	1	0.35	4.90	3.00
194	1	0.27	3.78	2.00
889	1	3.90	49.92	43.00
912	1	1.00	12.80	12.00
916	1	0.54	7.29	2.00
1034	2	0.59/1.80	8.26/23.04	3.00/32.00
1156	1	2.10	26.88	32.00
1157	2	0.59/2.10	8.26/26.88	3.00/32.00
2040	1	0.63	8.00	10.50

- A) 194
- B) 168
- C) 67
- D) 1156

5) A customer complained that every time he turned on his vehicle's lights, the left side turn signal indicator light on the dash remained on. The most likely cause is _____.

5) _____

- A) A poor ground to the parking light (or taillight) on the left side
- B) A poor ground to the parking light (or taillight) on the right side, causing current to flow to the left side lights
- C) A defective (open) parking light (or tail light) bulb on the left side
- D) Either A or C

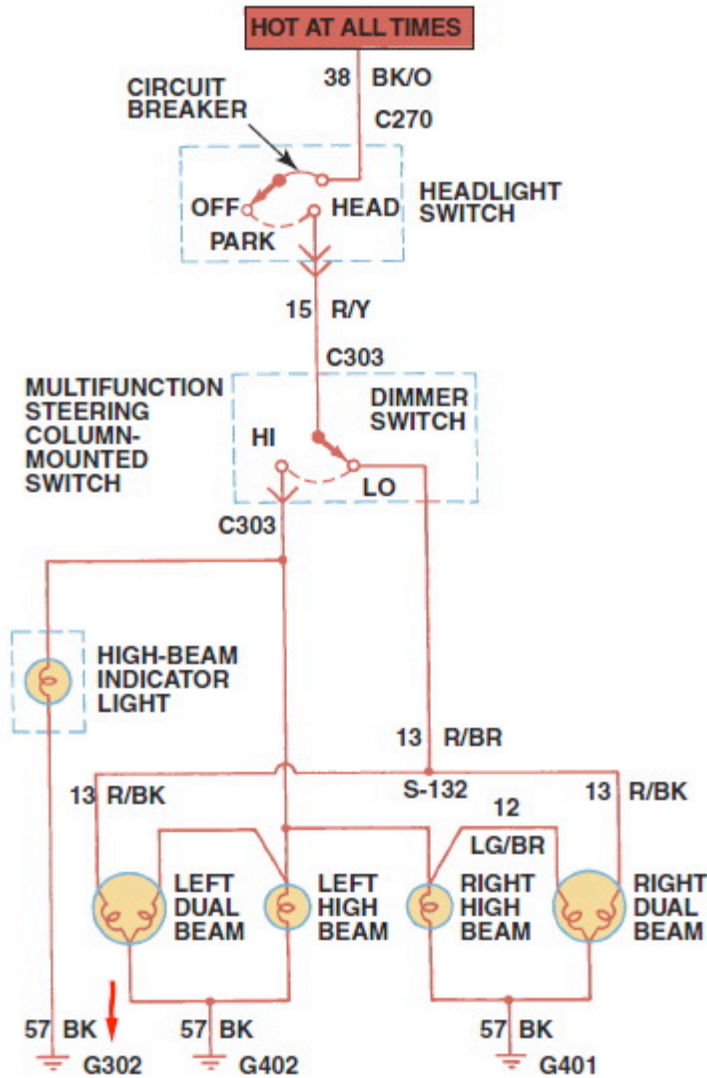
6) Single contact (1156) and double contact (1157) bulbs both use _____.

6) _____

- A) Two positioning lugs
- B) One positioning lug
- C) A wedge shape for plugging into the connector
- D) None of these

- 7) Technician A says that automotive bulbs are identified by trade numbers. Technician B says that the trade number is the different for each manufacturer for the exact same bulb specification. Who is right? 7) _____
- A) A only
 - B) B only
 - C) Both A and B
 - D) Neither A nor B

- 8) What would be the result if G302 was disconnected? 8) _____



- A) No high beam headlights
 - B) No high beam indicator light
 - C) Dim High beams
 - D) No effect
- 9) Electrical feedback is usually a result of _____. 9) _____
- 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

10) The HID lighting system consists of all of these components, EXCEPT _____.

10) _____

- A) Discharge arc source
- B) Igniter
- C) Ballast
- D) Filament

Answer Key

Testname: AAEE_16B

1) C

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2) A

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3) B

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4) D

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5) D

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6) A

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7) A

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8) B

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9) C

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10) D

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