

Name _____

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

- 1) A rain-sense wiper system uses a rain sensor that is usually mounted _____. 1) _____
A) Behind the grille
B) Outside of the windshield at the top
C) Inside of the windshield at the top
D) On the roof
- 2) A weak-sounding horn is being diagnosed. Technician A says that a poor ground connector at the horn itself could be the cause. Technician B says that an open relay can be the cause. Which technician is correct? 2) _____
A) Technician A
B) Technician B
C) Both technicians
D) Neither technician
- 3) Which of these processes are used to operate automotive horns? 3) _____
A) Electromagnetic reduction
B) Magnetic repulsion
C) Magnetic resonance
D) Electromagnetism
- 4) Technician A says that a defective high-speed blower motor relay could prevent high speed blower operation, yet allow normal operation at lower speeds. Technician B says that a defective (open) blower motor resistor can prevent low-speed blower operation, yet permit normal high-speed operation. Which technician is correct? 4) _____
A) Technician A
B) Technician B
C) Both technicians
D) Neither technician
- 5) Which pitch horn is used for a single horn application? 5) _____
A) High pitch
B) Low pitch
- 6) Which of these should never be used as windshield washer fluid? 6) _____
A) Pure water
B) 20 % Washer fluid and 80% water mixture
C) 50 % Washer fluid and 50% water mixture
D) Ethylene Glycol

- 7) The electronics in the rain-sense wiper module can detect the presence of rain drops under various lighting conditions. Which of these solid state components is used to sense rain drops? 7) _____
- A) Photo Diode
 - B) Laser LED
 - C) Infrared light sensor
 - D) Any of these
- 8) A defective blower motor draws more current than a good motor because _____. 8) _____
- A) The speed of the motor increases
 - B) The CEMF decreases
 - C) The airflow slows down, which decreases the cooling of the motor
 - D) Both A and C
- 9) The rain sense module (RSM) can turn on the wipers by communicating with the _____. 9) _____
- A) PCM
 - B) Wiper motor
 - C) BCM
 - D) Instrument cluster
- 10) Horn circuits are generally protected by a _____. 10) _____
- A) Fuse
 - B) Fusible link
 - C) Either A or B
 - D) Neither A nor B

Answer Key

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1) C

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2) A

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3) D

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4) C

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5) A

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6) D

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7) C

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8) B

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9) C

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10) C

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