

Name _____

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

- 1) Magnetic wheel speed sensors are being discussed. Technician A says that the wheel speed sensors are magnetic. Technician B says that the toothed sensor ring is magnetic. Which technician is correct? 1) _____
- A) Technician A only
 - B) Technician B only
 - C) Both technicians A and B
 - D) Neither technician A nor B
- 2) Technician A says that ABS-equipped vehicles can stop quickly and without skidding on all road surfaces even if covered with ice. Technician B says that steering is possible during an ABS stop. Which technician is correct? 2) _____
- A) Technician A only
 - B) Technician B only
 - C) Both technicians A and B
 - D) Neither technician A nor B
- 3) Which of these is NOT an additional function of the ABS module? 3) _____
- A) Hill start assist
 - B) Automatic braking
 - C) Electric steering assist
 - D) Electronic proportioning
- 4) Technician A says that an antilock system operating on the select-low principle will control each rear wheel individually. Technician B says that an antilock system using the select-low principle regulates rear wheel brake pressure to both rear wheel simultaneously. Which technician is correct? 4) _____
- A) Technician A only
 - B) Technician B only
 - C) Both technicians A and B
 - D) Neither technician A nor B
- 5) Antilock brakes cannot defy the laws of physics under what conditions? 5) _____
- A) When a vehicle enters a corner traveling faster than it is physically possible to negotiate the turn
 - B) If the brakes are applied too late to bring the vehicle to a complete stop before impact
 - C) Being able to stop the vehicle in a short distance under all conditions
 - D) All of the above
- 6) Which of the following is NOT a function of an antilock brake system (ABS)? 6) _____
- A) Helps maintain vehicle control while braking
 - B) Allows drivers to drive more closely to the vehicle in front
 - C) Maintains directional stability on slippery surfaces
 - D) Allows elimination of the proportioning valve

- 7) Two technicians are discussing ABS wheel speed sensors. Technician A says that some ABS systems use a sensor located in the rear-axle pinion gear area. Technician B says that all ABS systems use a wheel speed sensor at each wheel. Which technician is correct? 7) _____
- A) Technician A only
 - B) Technician B only
 - C) Both technicians A and B
 - D) Neither technician A nor B
- 8) Technician A says that most ABS units are non-integral. Technician B says that some ABS wheel speed sensors do not produce a useable signal below about 2 mph (3 km/h). Which technician is correct? 8) _____
- A) Technician A only
 - B) Technician B only
 - C) Both technicians A and B
 - D) Neither technician A nor B
- 9) A passive wheel speed sensor is also referred to as a _____ sensor. 9) _____
- A) variable reluctance (VR)
 - B) magnetic
 - C) magneto resistive (MR)
 - D) Either A or B
- 10) An active wheel speed sensor is also referred to as a _____ sensor. 10) _____
- A) variable reluctance (VR)
 - B) Hall-effect
 - C) magneto resistive (MR)
 - D) Either A or B

Answer Key

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- 1) A
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- 2) B
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- 3) C
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- 4) B
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- 5) D
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- 6) B
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- 7) A
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- 8) C
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- 9) D
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- 10) D
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