

Name _____

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

- 1) When bleeding the brakes on an ABS-equipped vehicle, a scan tool may be required to _____. 1) _____
 - A) set ABS codes
 - B) cycle the ABS solenoid valves
 - C) spin the wheel speed sensors
 - D) lock the wheel speed sensors

- 2) A passive wheel speed sensor is producing lower than expected voltage as the wheel rotates. 2) _____

Which of these is NOT a possible cause?

 - A) Debris on the sensor
 - B) Incorrect air gap between the sensor and toothed ring
 - C) Damaged or corroded electrical connector
 - D) Failed ABS control module

- 3) Technician A says that using the space-saving small spare tire may trigger an ABS amber warning lamp. Technician B says that if the red brake warning light is on, the vehicle should not be test driven. Which technician is correct? 3) _____
 - A) Technician A only
 - B) Technician B only
 - C) Both technicians A and B
 - D) Neither technician A nor B

- 4) A cracked tone (reluctor) ring will often cause what type of problem? 4) _____
 - A) .The antilock brake system will be disabled and the amber ABS warning lamp will be on
 - B) False ABS activation at low speed
 - C) .A brake failure which will turn on the red brake warning light
 - D) The affected wheel brake will be applied all of the time

- 5) Technician A says that a breakout box is often required to diagnose an antilock braking system. 5) _____

Technician B says that a breakout box requires the use of a digital multimeter. Which technician is correct?

 - A) Technician A only
 - B) Technician B only
 - C) Both technicians A and B
 - D) Neither technician A nor B

- 6) Technician A says that a noise or vibration may be sensed by the driver when the ABS performs a self-test. Technician B says that ABS codes may be accessed at the OBD-II connector. Which technician is correct? 6) _____
 - A) Technician A only
 - B) Technician B only
 - C) Both technicians A and B
 - D) Neither technician A nor B

- 7) Two technicians are discussing passive-type wheel speed sensors. Technician A says that wheel speed sensors are magnetic. Technician B says that the toothed sensor ring is magnetic. 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) Most passive wheel speed sensors should measure how much resistance? 8) _____
- A) 800 to 2,500 ohms
 - B) 100 to 300 ohms
 - C) 1 to 3 ohms
 - D) 0.1 to 1 ohm
- 9) A quick diagnostic test of wheel speed sensors (WSS) on some Bosch ABS systems is to hoist the vehicle and spin each tire individually. If the WSS is working properly, _____. 9) _____
- A) the amber ABS warning light should illuminate
 - B) the red brake warning light should illuminate
 - C) Both A and B are correct.
 - D) Neither A nor B is correct.
- 10) A good wheel speed sensor should produce at least _____ with the wheel turning. 10) _____
- A) 0.1 volt AC
 - B) 1 volt DC
 - C) 0.1 volt DC
 - D) 1 volt AC

Answer Key

Testname: CHASSIS8_19B

1) B

Page Ref: 312

2) D

Page Ref: 310

3) C

Page Ref: 305, 308

4) B

Page Ref: 307

5) C

Page Ref: 306

6) C

Page Ref: 305-306

7) A

Page Ref: 309

8) A

Page Ref: 309

9) A

Page Ref: 310

10) A

Page Ref: 310