

Name _____

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

- 1) The driver of a vehicle with ESC has turned OFF the stability control system. What will happen the next time the vehicle is driven? 1) _____
 - A) The ESC system will remain OFF until turned back on by the driver.
 - B) The ESC system will return to its default ON status.
 - C) It will depend on which driver of the vehicle enters the vehicle.
 - D) None of these

- 2) A diagnostic trouble code (DTC) has been set for a fault with the lateral acceleration sensor or circuit. What test could be performed to check if the sensor is working? 2) _____
 - A) Unplug it and see if the scan tool reads 1.0 G
 - B) Disconnect the sensor and hold it sideways to see if the scan tool reads 0.0 G
 - C) Disconnect the sensor and hold it sideways to see if the scan tool reads 1.0 G
 - D) Drive the vehicle in a circle to see if the scan tool reads 0.0 G

- 3) Which sensor is used by the ESC controller to determine the driver's intended direction? 3) _____
 - A) Yaw sensor
 - B) Steering wheel (handwheel) position sensor
 - C) Vehicle speed (VS) sensor
 - D) Lateral acceleration sensor

- 4) The electronic stability control (ESC) system requires that the vehicle be equipped with what type of brake system? 4) _____
 - A) Four-wheel disc brakes
 - B) Four channel ABS
 - C) Three channel ABS
 - D) Front disc with rear drum brakes

- 5) What is the name of the standard test that is performed to verify ESC operation? 5) _____
 - A) ESC plus
 - B) Vehicle stability enhancement test
 - C) Sine with dwell
 - D) Anti-skid test

- 6) Which Federal Motor Vehicle Safety Standard requires electronic stability control to be on all vehicles by 2011? 6) _____
 - A) 126
 - B) 113
 - C) 109
 - D) 101

- 7) A driver notices that the "Low Traction" warning light flashes at times during heavy acceleration. What is the most likely cause? 7) _____
- A) Normal operation
 - B) Fault with a wheel speed sensor
 - C) A defective vehicle speed (VS) sensor
 - D) A fault with the ABS controller
- 8) If a vehicle is detected to be oversteering while rounding a left curve, which wheel brake would the ESC system apply to help regain control? 8) _____
- A) RF
 - B) LF
 - C) RR
 - D) LR
- 9) During a traction control event, which of the following strategies is usually applied first? 9) _____
- A) Reduce engine torque
 - B) Apply the drive wheel brakes
 - C) Either A or B depending on conditions
 - D) Neither A nor B
- 10) Traction control is being discussed. Technician A says that the computer locks both drive wheels together when one drive wheel starts to slip. Technician B says that first the brakes are applied then the engine power is reduced. Which technician is correct? 10) _____
- A) Technician A only
 - B) Technician B only
 - C) Both technicians
 - D) Neither technician

Answer Key

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1) B

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2) C

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3) B

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4) B

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5) C

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6) A

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7) A

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8) A

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9) A

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10) D

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