

Name _____

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

- 1) During a traction control event, which of the following strategies is usually applied first?
 - A) Reduce engine torque
 - B) Apply the drive wheel brakes
 - C) Either A or B, depending on conditions
 - D) Neither A nor B

- 2) What other name is used to describe an electronic stability control (ESC) system?
 - A) Vehicle Stability Assist (VSA)
 - B) Electronic Stability Program(ESP)
 - C) Vehicle Dynamic Control (VDC)
 - D) Any of the above

- 3) Some antilock braking systems use a yaw sensor for the ESC system. Where could this sensor be mounted?
 - A) In the front of the vehicle near the radiator
 - B) Attached to or near the brake pedal assembly
 - C) On the master cylinder
 - D) Inside the vehicle under a seat

- 4) A flashing ESC lamp indicates a problem with the ESC system.
 - A) True
 - B) False

- 5) Technician A says that some vehicles with the Stabilitrak system continuously monitor wheel speed conditions and modulate hydraulic force to individual wheels to maintain stability. Technician B says that vehicles using traction control systems can reduce engine torque in slippery driving conditions. 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) Traction control uses the antilock braking system and other devices to limit _____ of the drive wheel during acceleration.
 - A) positive slip
 - B) negative slip
 - C) side slip
 - D) None of these

- 7) Technician A says that many traction control systems reduce engine torque to help the drive wheels achieve traction. Technician B says that hydraulic pressure from the electrohydraulic unit supplies brake fluid pressure to the wheel brake that is spinning during a traction control event. Which technician is correct?
 - A) Technician A only
 - B) Technician B only
 - C) Both technicians A and B
 - D) Neither technician A nor B

- 8) A traction control system can often control all of these EXCEPT _____.
- A) limit torque delivered to the drive wheels
 - B) engage four-wheel drive
 - C) upshift the transmission
 - D) apply the wheel brake to the wheel that is losing traction
- 9) The steering wheel position sensor provides signals related to steering wheel position and size.
- A) True
 - B) False
- 10) Which sensor is used by the ESC controller to determine the driver's intended direction?
- A) Yaw sensor
 - B) Steering wheel (handwheel) position sensor
 - C) Vehicle speed (VS) sensor
 - D) Lateral acceleration sensor

Answer Key

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1) A

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2) D

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3) D

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4) B

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5) C

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6) A

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7) C

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8) B

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9) B

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10) B

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