

Name \_\_\_\_\_

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

- 1) Self-park systems use what sensors and EPS to achieve the parking maneuver? 1) \_\_\_\_\_
  - A) Wheel speed sensors (WSS)
  - B) Steering wheel position sensor
  - C) Ultrasonic sensors
  - D) All of the above
  
- 2) The electro-hydraulic power steering pump provides hydraulic power to the steering gear and \_\_\_\_\_ 2) \_\_\_\_\_
  - A) brake booster
  - B) valve lifters
  - C) cooling fan clutch
  - D) hydraulic level control system
  
- 3) The power steering control module will enter a self protection mode in the case of a(n) \_\_\_\_\_ condition. 3) \_\_\_\_\_
  - A) high temperature
  - B) strong cross-wind
  - C) low tire pressure
  - D) icing
  
- 4) The steering shaft torque sensor uses \_\_\_\_\_ as inputs to the EPS control module 4) \_\_\_\_\_
  - A) calibrated springs
  - B) vacuum pulses
  - C) viscous resistances
  - D) voltage signals
  
- 5) What is the relationship between the power steering control module (PSCM) and the powertrain control module (PCM)? 5) \_\_\_\_\_
  - A) Usually wired between the two
  - B) No connection between the two
  - C) Uses serial data lines between the two modules
  - D) Mounted together on the electric power steering (EPS) motor
  
- 6) On a vehicle with a self-parking feature, what sensor is added to the normal electric power steering sensors that allows self-parking? 6) \_\_\_\_\_
  - A) A parking angle sensor
  - B) Cameras
  - C) Curb contact sensors
  - D) Corner weight sensors

- 7) What diagnostic equipment is usually needed to diagnose faults or relearn the electric power steering system? 7) \_\_\_\_\_
- A) Special electronic diagnostic equipment designed to test each specific system
  - B) Factory of factory-level scan tool
  - C) A breakout box
  - D) A 12-volt test light
- 8) A typical electric motor used in electric power steering systems produces about how much power? 8) \_\_\_\_\_
- A) 1/4 horsepower
  - B) 1/2 horsepower
  - C) 3/4 horsepower
  - D) 1 horsepower
- 9) What type of diagnostic trouble codes will be set when an EPS system fault is detected? 9) \_\_\_\_\_
- A) Type A code
  - B) Type B code
  - C) Type C code
  - D) Type D code
- 10) Two technicians are discussing electric power steering (EPS) systems. Technician A says that some systems operate on 12 volts. Technician B says that some systems operate on 42 volts, such as on some hybrid electric vehicles. 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) D

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2) A

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3) A

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4) D

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5) C

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6) B

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7) B

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8) D

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9) C

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10) C

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