

Name _____

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

- 1) Electric power steering systems take the place of _____ power steering systems. 1) _____
 - A) Hydraulic
 - B) Vacuum
 - C) Partial
 - D) Air-powered

- 2) Self park systems use what sensors and EPS to achieve the parking maneuver? 2) _____
 - A) Wheel speed sensors (WSS)
 - B) Steering wheel position sensor
 - C) Ultrasonic sensors
 - D) All of the above

- 3) An electric power steering motor draws up to _____ amps in a 12 volt system. 3) _____
 - A) 10
 - B) 150
 - C) 65
 - D) 9

- 4) A system that is related to the column-mounted electric steering system is the _____ mounted system. 4) _____
 - A) Bunion
 - B) Pinion
 - C) Minion
 - D) Onion

- 5) What diagnostic equipment is usually needed to diagnosis faults or relearn the electric power steering system? 5) _____
 - A) Special electronic diagnostic equipment designed to test each specific system
 - B) Factory or factory-level scan tool
 - C) A breakout box
 - D) A 12 volt test light

- 6) What is the relationship between the power steering control module (PSCM) and the powertrain control module (PCM)? 6) _____
 - A) Usually wired between the two
 - B) No connection between the two
 - C) Uses data lines (CAN) between the two modules
 - D) Mounted together on the electric power steering (EPS) motor

- 7) 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 some hybrid electric vehicles. 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) What type of motor is used in most electric power steering (EPS) systems? 8) _____
- A) AC brush type
 - B) DC brushless
 - C) Stepper
 - D) None of the above
- 9) Electro-hydraulic power steering systems use _____. 9) _____
- A) An electric motor to power a hydraulic pump
 - B) A conventional hydraulic power steering gear
 - C) An engine driven hydraulic power steering pump and an electric motor steering gear
 - D) Both A and B
- 10) The advantages of electric power steering compared to hydraulic power steering include _____. 10) _____
- A) Less weight
 - B) Improved fuel economy
 - C) Increase usable engine power
 - D) All of the above

Answer Key

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1) A

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2) D

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3) A

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4) B

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5) B

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6) C

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7) C

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8) B

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9) D

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10) D

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