

Name _____

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

- 1) Technician A says that outer tie rod ends should be replaced in pairs, even if only one is worn. Technician B says that inner tie rod ends should be replaced in pairs, even if only one is worn. Which technician is correct?
 - A) Technician A only
 - B) Technician B only
 - C) Both technicians A and B
 - D) Neither technician A nor B

- 2) A vehicle equipped with four-wheel steering will use _____ mode when moving at low speeds.
 - A) same-phase
 - B) single-phase
 - C) opposite-phase
 - D) right-phase

- 3) Technician A says that the inner tie rod end mounts to the end of the rack on all rack and pinion systems. Technician B says that some rack and pinion systems use inner tie rod ends mounted to the center of the rack. Which technician is correct?
 - A) Technician A only
 - B) Technician B only
 - C) Both technicians A and B
 - D) Neither technician A nor B

- 4) What steering component dampens and absorbs sudden motions in the steering linkage?
 - A) Steering dampener
 - B) Shock absorber
 - C) Drag link
 - D) None of these

- 5) New tie rods are being installed. Technician A says to tighten the retaining nuts to specification and then loosen, if needed, to align the cotter pin hole. Technician B says to tighten farther to align the cotter key hole. 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) Which four wheel steering system is best for highway lane changes?
 - A) Same phase steering
 - B) Opposite phase steering
 - C) Negative phase mode
 - D) None of these

- 7) A "dry park" test to determine the condition of the steering components and joints should be performed with the vehicle _____.
- A) on level ground or on a drive-on lift
 - B) on turn plates that allow the front wheels to move
 - C) on a frame contact lift with the wheels off the ground
 - D) lifted off the ground about 2 inches
- 8) A rack and pinion inner tie rod end is often secured by which of these methods??
- A) Riveted or pinned
 - B) Staked
 - C) Either A or B
 - D) Neither A nor B
- 9) Which of the following steering linkage parts commonly wear(s) out first?
- A) Center link
 - B) Pitman arm
 - C) Idler arm
 - D) Inner tie rods
- 10) Four wheel steering is being discussed. Technician A says that opposite phase steering is best at high speeds. Technician B says that same phase steering is best at low speeds. Which technician is correct?
- A) Technician A only
 - B) Technician B only
 - C) Both technicians A and B
 - D) Neither technician A nor B

Answer Key

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1) C

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2) C

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3) B

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4) A

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5) B

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6) A

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7) A

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8) C

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9) C

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10) D

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