

Name _____

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

- 1) Which type of CV joint transfers energy using six balls enclosed in cages to allow movement? 1) _____
A) Rzeppa
B) Cardan
C) Tripod
D) None of these

- 2) The Rzeppa type joint is the most commonly used outer joint on FWD vehicles. 2) _____
A) True
B) False

- 3) Which driveshaft can be longer without the need for a center support bearing? 3) _____
A) Aluminum
B) Steel
C) Cast iron
D) Laminated hardwood

- 4) Two technicians are discussing torque steer on a front wheel-drive vehicle. Technician A says that equal length drive axle shafts help reduce torque steer. Technician B says that equal drive axle shaft angles help reduce torque steer. Which technician is correct? 4) _____
A) Technician A only
B) Technician B only
C) Both technicians
D) Neither technician

- 5) All drive shafts are balanced to within _____. 5) _____
A) one oz.
B) 10 oz.
C) 15 oz.
D) 0.5 % of the driveshaft weight

- 6) Drive axle shafts are also called _____. 6) _____
A) double-Cardan shafts
B) half shafts
C) driveshafts
D) propeller shafts

- 7) Technician A says only 4WD rear driveshafts are balanced. Technician B says all RWD driveshafts are balanced. Which technician is correct? 7) _____
A) Technician A only
B) Technician B only
C) Both technicians
D) Neither technician

8) Technician A says that engine torque is transmitted through the surface of the hollow driveshaft from the transmission to the rear differential in a RWD vehicle. Technician B says that a bent driveshaft on a RWD vehicle can cause a condition known as torque steer. Which technician is correct? 8) _____

- A) Technician A only
- B) Technician B only
- C) Both technicians
- D) Neither technician

9) Double Cardan joints can function at a maximum angle of _____. 9) _____

- A) 10 degrees
- B) 2 degrees
- C) 0 degrees
- D) none of these are correct

10) Technician A says that carbon fiber driveshafts need support bearings every 24 inches. Technician B says that carbon fiber and aluminum driveshafts reduce rotating mass and are more efficient than steel driveshafts. 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) A

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2) A

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3) A

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4) C

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5) D

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6) B

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7) B

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8) A

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9) D

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10) B

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