

Name _____

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

- 1) Technician A says that a vibration felt at highway speeds with the transmission in neutral, is not likely to be caused by the engine. Technician B says that a vibration felt during acceleration could be due to uneven U-joint angles. Which technician is correct? 1) _____
A) Technician A only
B) Technician B only
C) Both technicians A and B
D) Neither technician A nor B
- 2) Technician A says that a vibration in the steering wheel when braking is an indication that the front tires need service. Technician B says that a vibration in the steering wheel when braking is an indication that the front brake rotors need service. Which technician is correct? 2) _____
A) Technician A only
B) Technician B only
C) Both technicians A and B
D) Neither technician A nor B
- 3) Driveshaft vibrations may be corrected by using _____ to balance the shaft. 3) _____
A) clip-on wheel balancing weights
B) hose clamps
C) balancing fluid
D) stick-on wheel balancing weights
- 4) An engine-related vibration can be best detected by performing a _____. 4) _____
A) neutral run-up test
B) test drive on a rough road
C) hard acceleration from a stop
D) Any of the above
- 5) What term describes an oscillating motion around a reference position? 5) _____
A) Vibration
B) Wind up
C) Slippage
D) None of these
- 6) A vibration that is felt in the steering wheel at highway speeds is usually due to _____. 6) _____
A) defective or out-of-balance rear tires
B) defective or out-of-balance front tires
C) an out-of-balance or bent drive shaft on a RWD vehicle
D) an out-of-balance drive axle shaft or defective outer CV joints on a FWD vehicle

- 7) Technician A uses a dial indicator to check a hub flange for runout. Technician B says that excessive runout on a wheel hub flange would cause low frequency vibrations. 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) Measuring driveshaft U-joint phasing involves checking to see if the front and rear U-joints are _____ with each other. 8) _____
- A) parallel
 - B) crossed
 - C) at an angle
 - D) opposite phased
- 9) A vibration or noise can be caused by all of the following EXCEPT _____. 9) _____
- A) exhaust system
 - B) wheels and tires
 - C) incorrect driveshaft angles
 - D) exhaust smoke
- 10) When diagnosing a vibration, technician A asks the customer when the problem first appeared. Technician B says that misaligned engine or transmission mounts can cause vibration. Which technician is correct? 10) _____
- 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) B

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3) B

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4) A

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5) A

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6) B

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7) C

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8) A

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9) D

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10) C

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