

Name _____

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

- 1) An engine-related vibration can be best detected by performing a _____. 1) _____
 - A) neutral run-up test
 - B) test drive on a rough road
 - C) hard acceleration from a stop
 - D) any of the above

- 2) What does NVH stand for? 2) _____
 - A) Noise, vibration, and harshness
 - B) Normal vibration harmonics
 - C) Net value of harshness
 - D) None of these

- 3) What is the first step in diagnosing a noise or vibration complaint? 3) _____
 - A) Test drive to verify the concern
 - B) Visual inspection of likely worn parts
 - C) Jounce test
 - D) None of these

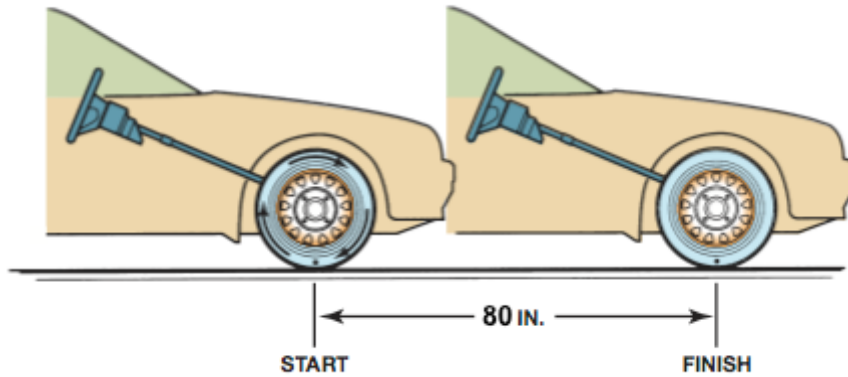
- 4) What term describes an oscillating motion around a reference position? 4) _____
 - A) Vibration
 - B) Wind up
 - C) Slippage
 - D) None of these

- 5) Technician A says that low frequency vibrations may be heard as a moan or hum. Technician B says that high frequency vibrations may be heard as a moan or hum. Which technician is correct? 5) _____
 - A) Technician A only
 - B) Technician B only
 - C) Both technicians
 - D) Neither technician

- 6) Measuring driveshaft U-joint phasing involves checking to see if the front and rear U-joints are _____ with each other. 6) _____
 - A) parallel
 - B) crossed
 - C) at an angle
 - D) opposite phased

7) Calculate the rolling frequency of this tire at 50 mph.

7) _____



- A) 11 Hz
- B) 13.8 Hz
- C) 653 Hz
- D) 7.4 Hz

8) Driveshaft vibrations may be corrected by using _____ to balance the shaft.

8) _____

- A) clip-on wheel balancing weights
- B) hose clamps
- C) balancing fluid
- D) stick-on wheel balancing weights

9) What is the most common cause of low frequency vibration?

9) _____

- A) Tire or wheel problems
- B) Defective transmission mount
- C) Defective CV joint
- D) None of these

10) A defective clutch release (throw out) bearing is usually heard when the clutch is _____.

10) _____

- A) engaged in neutral
- B) disengaged in gear
- C) depressed to take up any free play
- D) engaged in first gear or reverse

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) A
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- 5) B
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- 6) A
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- 7) A
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- 8) B
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- 9) A
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- 10) C
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