

Name _____

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

- 1) What is the proper tightening sequence for lug nuts?
 - A) Star (criss-cross) pattern
 - B) Clockwise rotation
 - C) Counterclockwise rotation
 - D) None of these

- 2) Using the modified X-method of tire rotation on a front wheel drive vehicle, where should the left front wheel be placed?
 - A) Right front
 - B) Right rear
 - C) Left rear
 - D) Keep it at the left front

- 3) Technician A says that inflation pressures vary with outside temperature. Technician B says that under-inflated tires cause reduced fuel economy. 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) Most vehicle and tire manufacturers recommend that no more than _____ ounce balance weight be added to a wheel/tire assembly.
 - A) 2.5
 - B) 3.5
 - C) 4.5
 - D) 5.5

- 5) Two technicians are discussing a diagnostic procedure where a tire and wheel is spun freely with the vehicle on a hoist. Technician A says that if the treads appear to move inward and outward the tire should be balanced. Technician B says that if the treads move inward and outward the tire is defective and should be replaced. 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) Technician A says to check tire radial runout to determine the cause of high speed vibration. Technician B says to check tire lateral runout to determine the cause of high speed vibration. Which technician is correct?
 - A) Technician A only
 - B) Technician B only
 - C) Both technicians A and B
 - D) Neither technician A nor B

- 7) The recommended type of wheel weight to use on aluminum (alloy) wheels is _____.
- A) lead with plated spring steel clips
 - B) coated (painted) or stick-on lead weights
 - C) lead weights with longer than normal clips
 - D) aluminum weights
- 8) Technician A says that a vibration above 45 mph indicates a possible out-of-balance tire. Technician B says that a vibration above 45 mph can only be diagnosed if engine load is considered. Which technician is correct?
- A) Technician A only
 - B) Technician B only
 - C) Both technicians A and B
 - D) Neither technician A nor B
- 9) Anytime a set of aluminum wheels is installed, the lug nuts should be re-torqued after how many miles?
- A) 25
 - B) 50
 - C) 75
 - D) 100
- 10) Which is the preferred method for tire rotation?
- A) Modified X
 - B) Full X
 - C) Front to rear
 - D) Side to side

Answer Key

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1) A

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2) C

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3) C

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4) D

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5) B

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6) A

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7) B

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8) A

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9) A

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10) A

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