

- 17) 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? 17) _____
 A) Technician A only B) Technician B only
 C) Both technicians D) Neither technician
- 18) When installing a tire pressure monitoring system sensor on a wheel, the sensor should be mounted _____. 18) _____
 A) With the flat part of the sensor parallel to the center section of the rim
 B) With the flat part of the sensor facing the center section of the rim
 C) Both A and B
 D) Neither A nor B
- 19) A hole in the tire tread can be patched with _____. 19) _____
 A) A patch B) A plug C) Either A or B D) None of these
- 20) A leak in a tire can be found using _____. 20) _____
 A) Soapy water B) A pressure gauge
 C) Spray insecticide D) Powder
- 21) When using a torque limiting adapter with an air impact wrench, what is the suggested maximum air pressure for the air tool? 21) _____
 A) 125 psi B) 30 psi C) 90 psi D) None of these
- 22) Technician A says that most manufacturers recommend using lug nut grease on lug studs when installing wheels. Technician B says that air impact wrenches are the best tool to tighten lug nuts. Which technician is correct? 22) _____
 A) Technician A only B) Technician B only
 C) Both technicians D) Neither technician
- 23) What is the term used to describe mounting a tire with the valve stem lined up with the dot painted on the tire? 23) _____
 A) Match mounting B) Wheel balancing
 C) Equal configuration D) None of these
- 24) Most vehicle and tire manufacturers recommend that no more than _____ ounce balance weight be added to a wheel/tire assembly. 24) _____
 A) 5.5 B) 4.5 C) 2.5 D) 3.5

TRUE/FALSE. Write 'T' if the statement is true and 'F' if the statement is false.

- 25) If a vibration is felt in the steering wheel above 45 MPH, the problem is usually out-of-balance rear tires. 25) _____

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

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

- 27) What is the proper instrument for measuring runout? 27) _____
A) Outside micrometer B) Vernier caliper
C) Dial indicator D) Inside micrometer
- 28) What term is used to describe how a vehicle handles when cornering and additional steering input is needed to maintain the corner? 28) _____
A) Oversteer B) Understeer
- 29) Technician A uses silicone lubricant to seat the bead of a tire. Technician B uses motor oil to seat the bead of a tire. Which technician is correct? 29) _____
A) Technician A only B) Technician B only
C) Both technicians D) Neither technician
- 30) Anytime a set of aluminum wheels is installed, the lug nuts should be re-torqued after how many miles? 30) _____
A) 50 B) 100 C) 75 D) 25