

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

- 1) Which tire inflation information should be checked to determine the proper tire inflation pressure? 1) \_\_\_\_\_
  - A) The maximum pressure as stated on the sidewall of the tire
  - B) 32 PSI in all tires
  - C) Cold placard inflation pressure
  - D) Any of the above
  
- 2) Technician A says that a tire pressure monitor system that uses a valve-stem-type transmitter is the direct reading type of TPMS. Technician B says that a tire pressure monitoring system that uses a sensor inside and strapped to the wheel is an indirect reading type of TPMS. Which technician is correct? 2) \_\_\_\_\_
  - A) Technician A only
  - B) Technician B only
  - C) Both technicians
  - D) Neither technician
  
- 3) A vehicle with TPMS has tire pressure warning light on steady. The owner says that all 4 tires have the correct pressure. Technician A says that the spare tire pressure could be low. Technician B says that a sensor may be bad. Who is correct? 3) \_\_\_\_\_
  - A) Technician A only
  - B) Technician B only
  - C) Both technicians A and B
  - D) Neither technician A nor B

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

- 4) The TPMS battery should be changed when the tires are replaced. 4) \_\_\_\_\_

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- 5) What does the "delta pressure method" mean? 5) \_\_\_\_\_
  - A) Inflating the tire to the specified pressure
  - B) Change the inflation pressure
  - C) Activate the sensor so it broadcasts the pressure to the scan tool
  - D) Using a handheld tester to read the pressure as reported by the sensor
  
- 6) What type of valve core is used in stem-mounted sensors? 6) \_\_\_\_\_
  - A) Steel
  - B) Aluminum
  - C) Nickel plated
  - D) Brass
  
- 7) All vehicles sold in the United States must have a tire pressure monitoring system, starting with model year \_\_\_\_\_. 7) \_\_\_\_\_
  - A) 2006
  - B) 2008
  - C) 2004
  - D) 2010
  
- 8) A 2010 vehicle with TPMS has a flashing TPMS warning lamp. This means \_\_\_\_\_. 8) \_\_\_\_\_
  - A) The vehicle has a flat tire
  - B) The TPMS has detected a fault with the system
  - C) Either A or B
  - D) Neither A nor B

- 9) Two technicians are discussing the indirect tire-pressure monitoring system. Technician A says that it was used by some vehicle manufacturers on vehicles before the 2008 model year. Technician B says that it uses the speeds of the RF and LR tires and compares the rotating speeds of the LF and RR tires to detect a low tire. 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) \_\_\_\_\_

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

- 10) If a 2008 vehicle is equipped with rubber valve stems it does not have TPMS.

10) \_\_\_\_\_

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

- 11) Identify this tool.

11) \_\_\_\_\_



- A) Calibration tool  
 B) Valve core depressor  
 C) Air release tool  
 D) Valve core torque wrench

- 12) Technician A says that the tire pressure can be 5 PSI below specification but not turn on the TPMS warning lamp. Technician B says that vehicles with TPMS do not need to have the tire pressure checked monthly. Who is correct?
- A) Technician A only  
 B) Technician B only  
 C) Both technicians A and B  
 D) Neither technician A nor B

12) \_\_\_\_\_

- 13) The FMVSS 138 law requires that the driver be notified if the tire inflation pressure drops how much?
- A) 25%  
 B) 15%  
 C) 20%  
 D) 30%

13) \_\_\_\_\_

- 14) On a General Motors vehicle, sensor programming starts with which wheel?
- A) Left rear  
 B) Left front  
 C) Right front  
 D) Right rear

14) \_\_\_\_\_

- 15) To activate or learn a direct pressure sensor, what does the service technician need to do?
- A) Use a handheld tester  
 B) Enter learn mode and decrease inflation pressure  
 C) Enter learn mode and use a magnet  
 D) Any of the above, depending on the vehicle and system

15) \_\_\_\_\_

