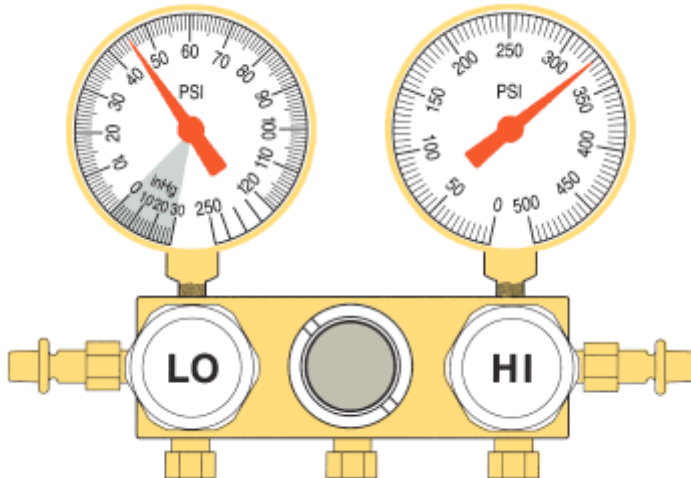


Name _____

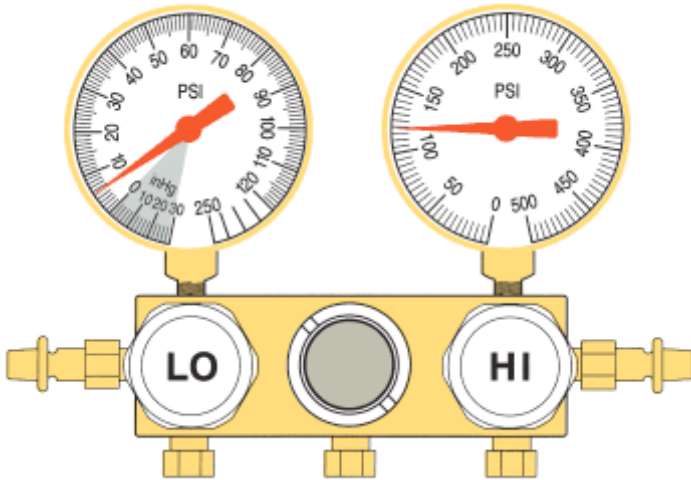
MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question.

- 1) The discharge air temperature is warm or slightly cool. The pressure gauges shown indicate which MOST LIKELY cause? 1) _____



- A) Low on refrigerant
 - B) Defective compressor
 - C) Excess refrigerant in the system
 - D) Lack of airflow through the condenser
- 2) The low-side pressure is low and the high-side pressure is higher than normal. What is the most likely cause? 2) _____
- A) Low refrigerant charge level
 - B) System is overcharged. Expansion valve is stuck open
 - C) Restriction on the low-side line
 - D) Restriction on the high-side line
- 3) When using a scan tool to diagnose an AC system, where are any AC related trouble codes usually found? 3) _____
- A) In the driver information center (instrument cluster)
 - B) Powertrain control module (PCM)
 - C) Body or chassis systems
 - D) Read out in the navigation screen
- 4) What should the technician use when checking for diagnostic trouble codes? 4) _____
- A) Any global (generic) scan tool that can read body and/or chassis codes
 - B) Any enhanced scan tool that can read body and/or chassis codes
 - C) Only a factory scan tool can be used
 - D) A paper clip, because it is needed to read codes

- 5) High-side pressure is affected by _____. 5) _____
 A) Ambient temperature
 B) Fan clutch operation
 C) Refrigerant charge level
 D) All of these
- 6) A "pop" is heard from the radio speaker(s) when the system is operating with the air conditioning on. What is the most likely cause? 6) _____
 A) Normal operation
 B) A defective compressor clutch diode
 C) A restricted evaporator
 D) A worn A/C compressor
- 7) When should the service technician check for technical service bulletins? 7) _____
 A) As soon as the work order is received with the customer complaint shown
 B) Before performing a visual inspection
 C) After checking for any stored diagnostic trouble codes
 D) After making the repair
- 8) The discharge air temperature is warm and the pressure gauges are as shown. What is the MOST LIKELY cause? 8) _____



- A) Low on refrigerant
 B) Lack of airflow through the condenser
 C) Defective compressor
 D) Icing of the evaporator
- 9) Technician A says that a quick check of A/C system operation is to feel the temperature of the suction and discharge lines. Technician B says that the suction line should be cold and the discharge line hot after 5 minutes of system operation. Which technician is correct? 9) _____
 A) Technician A only
 B) Technician B only
 C) Both technicians
 D) Neither technician

10) HVAC diagnostic trouble codes are found stored in the body control module (BCM) and will turn ON the check engine light if a fault is present.

10) _____

- A) True
- B) False

Answer Key

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1) D

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2) D

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3) C

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4) B

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5) D

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6) B

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7) C

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8) A

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9) C

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10) B

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