

Name \_\_\_\_\_

8thHTACch-15.tst

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

- 1) When should the service technician check for technical service bulletins? 1) \_\_\_\_\_  
A) Before performing a visual inspection  
B) After making the repair  
C) As soon as the work order is received with the customer complaint shown  
D) After checking for any stored diagnostic trouble codes
- 2) Clear water is seen dripping from beneath the vehicle on the passenger side. This means \_\_\_\_\_. 2) \_\_\_\_\_  
A) Receiver-drier at the end of its normal life  
B) Normal operation  
C) Possible restricted condenser  
D) Possible clogged evaporator
- 3) Technician A says that oily residue on a fitting or hose can indicate a refrigerant leak. Technician B says that this residue is normal around most A/C fittings. Which technician is correct? 3) \_\_\_\_\_  
A) Technician A only  
B) Technician B only  
C) Both technicians  
D) Neither technician
- 4) What would normal low and high gauge reading be on a 90° day? 4) \_\_\_\_\_  
A) 10 and 300 PSI      B) 30 and 200 PSI      C) 50 and 175 PSI      D) 30 and 400 PSI
- 5) 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? 5) \_\_\_\_\_  
A) Technician A only  
B) Technician B only  
C) Both technicians  
D) Neither technician
- 6) High-side pressure is affected by \_\_\_\_\_. 6) \_\_\_\_\_  
A) Ambient temperature  
B) Refrigerant charge level  
C) Fan clutch operation  
D) All of these
- 7) When using a scan tool to diagnose an AC system, where are any AC related trouble codes usually found? 7) \_\_\_\_\_  
A) Body or chassis systems  
B) Read out in the navigation screen  
C) In the driver information center (instrument cluster)  
D) Powertrain control module (PCM)
- 8) 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? 8) \_\_\_\_\_  
A) A restricted evaporator  
B) A defective compressor clutch diode  
C) Normal operation  
D) A worn A/C compressor

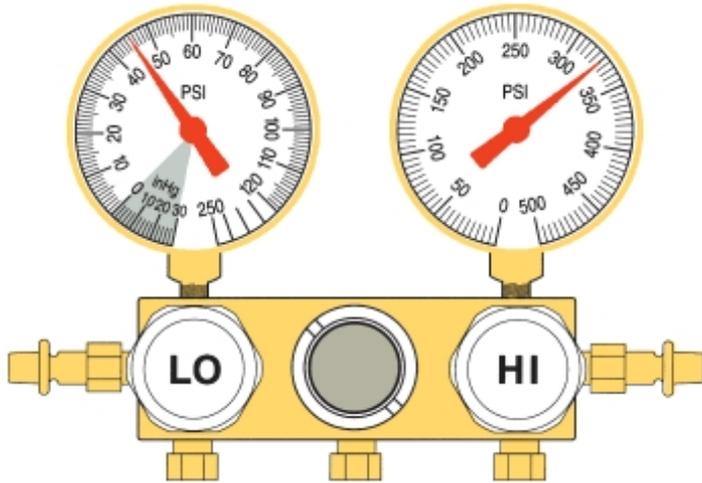
9) Most A/C performance tests include \_\_\_\_\_.

9) \_\_\_\_\_

- A) Measure ambient temperature 3 inches (80 mm) in front of the condenser and measure the humidity
- B) Open the doors and set the blower speed to high which applies the maximum load on the system
- C) Start the engine, set the parking brake, and raise the idle to 2,000 RPM
- D) All of the above

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

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



- A) Lack of airflow through the condenser
- C) Low on refrigerant

- B) Defective compressor
- D) Excess refrigerant in the system