

Automotive Technology 7th Edition
Chapter 66
Multiple Choice Quiz A

Name: _____ Date: _____

1. What should you select under "Body" on most scan tools for access to the HVAC-related data?
 - A. Engine Control Module
 - B. Transmission Control Module
 - C. HVAC Control Module
 - D. Brake Control Module

2. What happens to aluminum lines if they are flexed?
 - A. They expand
 - B. They contract
 - C. They become more flexible
 - D. They crush and break

3. When a system is operating properly, how should the suction line to the compressor feel?
 - A. Hot
 - B. Very Hot
 - C. Cold
 - D. Warm

4. What is not a very accurate method for finding small refrigerant leaks?
 - A. UV dye
 - B. Electronic leak detector
 - C. Pressure test
 - D. Soapy water

5. If the outside air temperature is 90°F (32°C) and the humidity is high, what should the high side gauge read when the A/C is operating?
 - A. 31–37 PSI
 - B. 210–290 PSI
 - C. Less than 150 PSI
 - D. 170–210 PSI

6. A musty, moldy smell in the air-conditioning system is usually due to what?
 - A. Mildew-type fungus growth
 - B. A restricted evaporator
 - C. A clogged condenser
 - D. A weak or defective AC compressor

7. If the system reaches a temperature of 35°F to 45°F (2°C to 7°C) or 30°F (15°C) cooler than the outside air temperature, how is the system functioning?
 - A. Abnormally
 - B. Overheating
 - C. Normally
 - D. Underperforming

8. What should you check if pressures are okay, the sight glass is clear, but vent temperature is high?
- A. Refrigerant level
 - B. Compressor efficiency
 - C. Blend door or heater control valve problem
 - D. Expansion valve status
9. What indicates a restriction in the high-side line based on pressure gauge readings?
- A. Low side: Low, High side: High
 - B. Low side: High, High side: Low
 - C. Low side: Normal, High side: Normal
 - D. Low side: Low, High side: Low
10. If both low- and high-side pressures are higher than normal, what does it indicate about the system?
- A. Undercharged
 - B. Overcharged
 - C. Normal charge
 - D. No refrigerant

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Answer Key

1. C

2. D

3. C

4. D

5. B

6. A

7. C

8. C

9. A

10. B