

Name \_\_\_\_\_

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

- 1) The compressor is working if the \_\_\_\_\_ of the compressor clutch is rotating. 1) \_\_\_\_\_  
A) Pulley  
B) Belt  
C) Center  
D) Muffler
  
- 2) When a vehicle AC system is set to "MAX" there is an increase in fan noise inside the vehicle. 2) \_\_\_\_\_  
Which of these could be the cause?  
A) Thermal acceleration noise  
B) Normal sound when the recirculation door opens  
C) "MAX" setting automatically increases the fan speed  
D) None of these
  
- 3) Vehicle heater hoses are attached to the \_\_\_\_\_. 3) \_\_\_\_\_  
A) Heater core  
B) Engine  
C) Either A or B but not both  
D) Both A and B
  
- 4) Air flow is directed to the \_\_\_\_\_ when set to the "Defrost" mode. 4) \_\_\_\_\_  
A) Outside mirrors  
B) Windshield  
C) Driver's hands  
D) Rear window de-fogger grid
  
- 5) An airflow (blend) door may be broken if \_\_\_\_\_. 5) \_\_\_\_\_  
A) There is a clicking noise from the actuator motor assembly as it tries to move a broken door  
B) Outlet temperature can change from hot to cold or from cold to hot at any time especially when cornering  
C) There is a change in the temperature when the fan speed is changed  
D) Any of the above
  
- 6) An AC system is not cooling as it should. This could be caused by all of these EXCEPT \_\_\_\_\_. 6) \_\_\_\_\_  
A) Low refrigerant charge  
B) Compressor clutch not engaged  
C) Low coolant level in the radiator  
D) Broken blend door

- 7) The AC compressor clutch is being checked to see if it is engaged. Technician A says that if the drive belt is moving, the compressor is working. Technician B says that the compressor will often “click” when it is energized and de-energized. Which technician is correct? 7) \_\_\_\_\_
- A) Technician A only
  - B) Technician B only
  - C) Both technicians
  - D) Neither technician
- 8) The compressor clutch makes a \_\_\_\_\_ sound when it is turned on. 8) \_\_\_\_\_
- A) Skipping
  - B) Clicking
  - C) Rotating
  - D) Muffled
- 9) The proper dash vent temperature for an air condition system should be \_\_\_\_\_. 9) \_\_\_\_\_
- A) 32°F (90°C)
  - B) 10°F below ambient
  - C) 35°F–45°F (2°C–7°C) or 30°F (15°C) cooler than the outside air temperature
  - D) Any of the above
- 10) Heater hoses often develop leaks \_\_\_\_\_. 10) \_\_\_\_\_
- A) In the center of the hose
  - B) When coolant is used
  - C) Near the hose clamps
  - D) When there is a bad ground

## Answer Key

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1) C

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2) B

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3) D

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4) B

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5) D

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6) C

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7) B

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8) B

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9) C

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10) C

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