

Name _____

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

- 1) A customer complains that the heater works sometimes, but sometimes only cold air comes out while driving. Technician A says that the A/C system may not have enough refrigerant in the system. Technician B says that the cooling system could be low on coolant. Which technician is correct? 1) _____
 - A) Technician A only
 - B) Technician B only
 - C) Both technicians
 - D) Neither technician

- 2) If the air conditioning performance test shows less than 45° F at the center vent, the AC is working normally. 2) _____
 - A) True
 - B) False

- 3) Where is the condenser located on the vehicle? 3) _____
 - A) In the heater box
 - B) Under the engine
 - C) In front of the radiator
 - D) On the air cleaner assembly

- 4) Which of the following is used in a a vehicle to transfer heat energy? 4) _____
 - A) Refrigerant
 - B) Engine coolant
 - C) Both A and B are correct
 - D) Neither A nor B are correct

- 5) The heater uses _____ to heat the air inside the vehicle on most vehicles. 5) _____
 - A) Hot coolant from the engine run through a heater core
 - B) Warm air created by the A/C system run in reverse
 - C) An electrically heated coil
 - D) Heat from the exhaust system

- 6) What is the function of the desiccant bag inside an accumulator? 6) _____
 - A) It stores and releases ice.
 - B) It captures excess R 134a.
 - C) It captures and stores moisture.
 - D) All of the above.

- 7) Where in the air conditioning system is the refrigerant a low pressure gas? 7) _____
 - A) Condenser outlet
 - B) Evaporator outlet
 - C) Evaporator inlet
 - D) Condenser inlet

8) Technician A says that one heater hose should be hot and the other hose cool if the heater is functioning okay. Technician B says that both hoses should be hot to the touch. Which technician is correct? 8) _____

- A) Technician A only
- B) Technician B only
- C) Both technicians
- D) Neither technician

9) Compressing a vapor _____. 9) _____

- A) Increases the pressure and decreases the temperature.
- B) Decreases the pressure and increases the temperature.
- C) Decreases the pressure and decreases the temperature.
- D) Increases the pressure and increases the temperature.

10) A properly operating air conditioning system should be able to provide air discharge airflow at the center vents at what temperature range? 10) _____

- A) 65-72° F (18-22°C)
- B) 55-64° F (13-18°C)
- C) 45-54° F (7-12°C)
- D) 35-45° F (2-7°C)

Answer Key

Testname: INTRO_27A

1) B

Page Ref: 261

2) A

Page Ref: 265

3) C

Page Ref: 262

4) C

Page Ref: 259-260

5) A

Page Ref: 259

6) C

Page Ref: 263

7) B

Page Ref: 262

8) B

Page Ref: 260

9) D

Page Ref: 262

10) D

Page Ref: 265