

Name: \_\_\_\_\_ Date: \_\_\_\_\_

1. What is the function of the external condenser during the summer?
  - A. Absorbs heat from inside the cabin and releases it outside.
  - B. Absorbs heat from outside and releases it inside the cabin.
  - C. Maintains the internal temperature of the cabin.
  - D. Provides ventilation to the cabin.
  
2. What does the airflow from the blower cause in relation to the in-vehicle temperature sensor?
  - A. It cools down the sensor.
  - B. It causes airflow to flow past the sensor.
  - C. It heats up the sensor.
  - D. It regulates the sensor's temperature.
  
3. Where is the outside air temperature sensor typically mounted?
  - A. On the navigation screen.
  - B. At the top of the instrument panel.
  - C. On the radiator core support in front of the A/C condenser.
  - D. Inside the cabin near the dashboard.
  
4. What can cause the outlet temperature to change from hot to cold or vice versa, especially when cornering?
  - A. A malfunctioning blower.
  - B. A broken blend door.
  - C. A faulty thermostat.
  - D. A defective air inlet door.
  
5. What is the purpose of the compressor speed sensor?
  - A. To let the ECM know if the compressor is turning.
  - B. So the ECM can control high-side pressure.
  - C. To allow the ECM to control compressor speed.
  - D. So the ECM can control low-side pressure.
  
6. Which sensor is also referred to as the ambient air temperature sensor?
  - A. Discharge air temperature.
  - B. Evaporator outlet temperature.
  - C. In-vehicle temperature.
  - D. Outside air temperature (OAT).
  
7. What is the most common type of sun load sensor?
  - A. Photodiode.
  - B. Negative temperature coefficient (NTC) thermistor.
  - C. Potentiometer.
  - D. Positive temperature coefficient (PTC) thermistor.

8. An actuator can be capable of how many positions?

- A. Two.
- B. Three.
- C. Variable.
- D. All of the above.

9. What does the ATC adjust?

- A. Blower motor speed.
- B. Temperature door.
- C. Air inlet door.
- D. All of the above.

10. Which sensor might use an aspirator tube?

- A. Outside air temperature (OAT).
- B. In-vehicle temperature.
- C. Discharge air temperature.
- D. Evaporator outlet temperature.

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Chapter 63

Multiple Choice Quiz A

Answer Key

1. A

2. B

3. C

4. B

5. C

6. D

7. B

8. D

9. D

10. B