

AUTEC 317 HMWK CH-12

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

- 1) The control module used for automatic climatic control is called _____. 1) _____
A) ECM
B) HVAC control module
C) BCM
D) Any of the above, depending on the make and model of vehicle
- 2) An actuator can be capable of how many positions? 2) _____
A) Three B) Two C) Variable D) All of these
- 3) Which of the following is true regarding the cabin air filter? 3) _____
A) It is mounted in the incoming air stream from the cowl intake
B) Filter restrictions can reduce the volume of air entering the passenger compartment
C) Both A and B are correct
D) Neither A nor B is correct
- 4) Technician A says that the HVAC doors in an automatic system may be cable operated. Technician B says that the HVAC doors in an automatic system may be operated by electric servos. Which technician is correct? 4) _____
A) Technician A only B) Technician B only
C) Both technicians A and B D) Neither technician A nor B
- 5) An ATC system has the ability to automatically _____. 5) _____
A) Change the function door setting B) Move the temperature-blend door
C) Adjust the blower speed D) All of these
- 6) A dual-zone A/C system allows for different _____ for the driver and passenger. 6) _____
A) Fan speeds B) Temperatures
C) Compressor speeds D) Air flow
- 7) Which of these ATC output devices provides a feedback signal to the electronic control module (ECM)? 7) _____
A) Mode air door motor B) Blend door actuator
C) Air inlet door vacuum motor D) Blower motor control
- 8) While diagnosing an A/C concern the scan tool reads "Inside Air Temp = 90°" and "Ambient Temp = -38°". Shop temperature is 87°. What should the technician do? 8) _____
A) Replace the ambient sensor
B) Check the ambient sensor and connections
C) Clean the inside air temperature sensor
D) Move the vehicle outside to warm it up
- 9) Which of the following is NOT a sensor in an ATC system? 9) _____
A) Sun load sensor B) In-car temperature sensor
C) Passenger sensor D) Ambient air temperature sensor

10) Which sensor is also called the ambient air temperature sensor?

- A) Evaporator outlet temperature
- C) Outside air temperature

- B) Discharge air temperature
- D) In-vehicle vehicle temperature

10) _____