

Duration: 60 Mins

Total Marks: 16

Q.ID: ITISKILL9732ID

1. Which type of flow mode is selected if outside is dusty and contaminated in car AC system?

- A) Recirculation mode B) Fresh mode
C) Defroster mode D) Heating mode

Answer: A) Recirculation mode

2. What is the function of condenser?

- A) Control the refrigerant flow B) Cool the hot refrigerant
C) Convert refrigerant to vapour D) Absorbs moisture in the system

Answer: B) Cool the hot refrigerant

3. Which is not the part of servo motor assembly?

- A) Expansion valve B) Gear reduction unit
C) Position sensor D) Normal DC motor

Answer: A) Expansion valve

4. Which part of air conditioning system remove heat from air and transfer to the refrigerant?

- A) Blower B) Receiver
C) Evaporator D) Condenser

Answer: C) Evaporator

5. What is the advantage of using servo motor in air conditioning system?

- A) Suitable to prevent vibration B) Low cost of maintenance
C) High speed operation possible D) Suitable for precision control of rotation

Answer: C) High speed operation possible

6. How much DC supply voltage required for servo motor?

- A) 5V to 7.5 V B) 4 V to 8 V
C) 3.5 V to 8 V D) 4.8 V to 6 V

Answer: D) 4.8 V to 6 V

7. Where the ambient temperature sensor is located in the vehicle?

- A) Front axle B) Behind the grill
C) Top of servo motor D) Rear side of engine

Answer: B) Behind the grill

8. Which part of air conditioning system absorbs moisture in the system?

- A) Condenser B) Evaporator

C) Expansion valve

D) Receiver

Answer: D) Receiver

9. Which sensor causes off the outside air inlet or other odours?

- A) Infrared sensor B) Sunload sensor
C) Temperature sensor D) Smog sensor

Answer: D) Smog sensor

10. What is the function ambient temperature sensor in the air conditioning system?

- A) Monitor air temperature outside vehicle B) Monitor air temperature at the exhaust
C) Monitor air temperature inside vehicle D) Monitor air temperature in driver cabin

Answer: A) Monitor air temperature outside vehicle

11. Which wire of servo motor connected to power supply?

- A) Yellow B) White
C) Black D) Red

Answer: D) Red

12. Which sensor measures the actual body temperature of passengers?

- A) Smog sensor B) Sun load sensor
C) Infrared sensor D) Interior temperature sensor

Answer: C) Infrared sensor

13. Which device acts as an evaporator temperature sensing switch?

- A) Thermostatic switch B) Blower switch
C) Defroster switch D) Heater switch

Answer: A) Thermostatic switch

14. What is the function of magnetic clutch in air conditioning system?

- A) Connect and disconnect drive to compressor B) Cool the hot refrigerant
C) Control the refrigerant flow to evaporator D) Absorbs moisture in the system

Answer: A) Connect and disconnect drive to compressor

15. What should be the high air flow rate permitted while doing performance checking in automobile AC system?

- A) 4 kg per min B) 8 kg per min

C) 6 kg per min

D) 10 kg per min

Answer: B) 8 kg per min

A) 20.5 Degree Centigrade

B) 26.5 Degree Centigrade

C) 27.8 Degree Centigrade

D) 22.0 Degree Centigrade

Answer: B) 26.5 Degree Centigrade

16. What is the boiling point of refrigerant R-134a?