

Student Name: _____ Roll No: _____

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

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

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

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

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

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

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

- A) Receiver
- B) Expansion valve
- C) Condenser
- D) Evaporator

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

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

6. What is the function of condenser?

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

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

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

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

- A) Monitor air temperature inside vehicle
- B) Monitor air temperature in driver cabin

- C) Monitor air temperature at the exhaust
- D) Monitor air temperature outside vehicle

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

- A) 27.8 Degree Centigrade
- B) 22.0 Degree Centigrade
- C) 26.5 Degree Centigrade
- D) 20.5 Degree Centigrade

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

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

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

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

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

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

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

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

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

- A) 8 kg per min
- B) 4 kg per min
- C) 6 kg per min
- D) 10 kg per min

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

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

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

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