

Govt. ITI Bidkalkatte

Monthly Test

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81.25% 13 / 16

Student Name	KARTHIK	Access Code	3008
Attempt No.	#1	Completion Time	11:22 AM
Rank	#1	Total Questions	16

13 SCORE

16 MAX MARKS

13 CORRECT

3 INCORRECT

Answer Review

Q1 **CORRECT** What is the boiling point of refrigerant R-134a?

A. 20.5 Degree Centigrade

B. 22.0 Degree Centigrade

C. 26.5 Degree Centigrade ☒

D. 27.8 Degree Centigrade

Q2 **INCORRECT** What should be the high air flow rate permitted while doing performance checking in automobile AC system?

A. 4 kg per min ☐

B. 6 kg per min

C. 8 kg per min ☒

D. 10 kg per min

Q3 **CORRECT** Which is not the part of servo motor assembly?

A. Gear reduction unit

B. Normal DC motor

C. Position sensor

D. Expansion valve ☒

Q4 **CORRECT** How much DC supply voltage required for servo motor?

A. 4 V to 8 V

B. 4.8 V to 6 V ☒

C. 3.5 V to 8 V

D. 5V to 7.5 V

Q5 **CORRECT** Which wire of servo motor connected to power supply?

A. White

B. Yellow

C. Black

D. Red ☒

Q6 **INCORRECT** What is the function of magnetic clutch in air conditioning system?

A. Cool the hot refrigerant

B. Connect and disconnect drive to compressor ☒

C. Absorbs moisture in the system

D. Control the refrigerant flow to evaporator ☐

Q7 **CORRECT** What is the function of condenser?

A. Control the refrigerant flow

B. Absorbs moisture in the system

C. Cool the hot refrigerant ☒

D. Convert refrigerant to vapour

Q8 **CORRECT** Which part of air conditioning system absorbs moisture in the system?

A. Expansion valve

B. Receiver ☒

C. Condenser

D. Evaporator

Q9 **CORRECT** Which part of air conditioning system remove heat from air and transfer to the refrigerant?

A. Evaporator ☒

B. Condenser

C. Receiver

D. Blower

Q10 **CORRECT** Which type of flow mode is selected if outside is dusty and contaminated in car AC system?

A. Recirculation mode ☒

B. Fresh mode

C. Heating mode

D. Defroster mode

Q11 **CORRECT** Which device acts as an evaporator temperature sensing switch?

A. Thermostatic switch ☒

B. Blower switch

C. Heater switch

D. Defroster switch

Q12 **CORRECT** Where the ambient temperature sensor is located in the vehicle?

A. Behind the grill ☒

B. Rear side of engine

C. Front axle

D. Top of servo motor

Q13 **CORRECT** What is the function ambient temperature sensor in the air conditioning system?

A. Monitor air temperature inside vehicle

B. Monitor air temperature outside vehicle ☒

C. Monitor air temperature in driver cabin

D. Monitor air temperature at the exhaust

Q14 **INCORRECT** What is the advantage of using servo motor in air conditioning system?

A. High speed operation possible ☒

B. Suitable for precision control of rotation ☐

C. Low cost of maintenance

D. Suitable to prevent vibration

Q15 **CORRECT** Which sensor measures the actual body temperature of passengers?

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

Q16 **CORRECT** Which sensor causes off the outside air inlet or other odours?

- A. Infrared sensor
- B. Smog sensor ☒
- C. Sunload sensor
- D. Temperature sensor