

Exam

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Student Name	Uthama	Access Code	0837
Attempt No.	#1	Completion Time	03:49 PM
Rank	#2	Total Questions	28

15 SCORE

28 MAX MARKS

15 CORRECT

13 INCORRECT

Answer Review

Q1 **CORRECT** Which is the hydrocarbon refrigerant?

A. R 12

B. R123

C. R 500

D. R 600a ☒

Q2 **CORRECT** Which refrigerant property is desirable for V.C system?

A. Low boiling point ☒

B. Corrosive to metals

C. Low latent heat valve

D. Low Dielectric strength

Q3 **INCORRECT** Which type of compressor is used as a vacuum pump?

A. Reciprocating ☐

B. Centrifugal

C. Rotary ☒

D. Scroll

Q4 **INCORRECT** What is the full form of the relay - PTC?

A. Positive temperature coefficient ☐

B. Permanent temperature control

C. Polar terminal checking

D. Positive terminal circuit ☐

Q5 **CORRECT** Which refrigerant blend is highly flammable?

A. HCFC

B. HFC

C. CFC

D. HC ☐

Q6 **INCORRECT** Which part of the refrigerator cools the liquid refrigerant in capillary tube?

A. Discharge line

B. Suction line ☐

C. Condenser

D. Evaporator ☐

Q7 **INCORRECT** Which terminals are momentarily shorted to start the compressor motor without relay?

A. C and S terminal

B. S and R terminal ☐

C. C and R terminal

D. S and compressor body ☐

Q8 **CORRECT** Which type of motor drive is used in hermetic compressor in refrigerator?

A. Belt drive

B. Gear drive

C. Direct drive ☒

D. Push drive

Q9 **INCORRECT** What is the minimum distance to be maintained between the wall and refrigerator condenser?

A. 13 cm ☐

B. 15 cm ☒

C. 18 cm

D. 22 cm

Q10 **INCORRECT** Which material is used to make the evaporator of refrigerator?

A. Galvanised iron

B. Stainless steel

C. Aluminium ☒

D. Brass ☐

Q11 **INCORRECT** Which two tubes act as heat exchanger in a refrigerator?

A. Suction and charging tube ☐

B. Discharge and suction tube

C. Capillary and suction tube ☒

D. Discharge and capillary tube

Q12 **INCORRECT** What is the name of heat carrying medium in vapour compression system?

A. Air

B. Water ☐

C. Liquid

D. Refrigerant ☐

Q13 **CORRECT** Which refrigerant is highly flammable?

A. HC - Hydro carbon ☐

B. HFC - Hydro fluoro carbon

C. CFC - Chloro fluoro carbon

D. HCFC - Hydro chloro fluoro carbon

Q14 **INCORRECT** Which component rejects the maximum heat to ambient air in refrigerator?

A. Expansion valve

B. Compressor ☐

C. Condenser ☐

D. Evaporator

Q15 **CORRECT** Which component absorbs the maximum heat from the cabinet materials in frost free refrigerator?

A. Condenser

B. Evaporator ☐

C. Compressor

D. Expansion valve

Q16 **CORRECT** What is the function of refrigerant fluid in a refrigerator?

A. Releases heat inside the cabinet

B. Absorbs heat from inside the cabinet ☒

C. Absorbs heat from outside the cabinet

D. Absorbs heat from bottom side cabinet

Q17 **CORRECT** What is the resistance level of start winding in a refrigerator s compressor motor?

A. Medium resistance

B. High resistance ☒

C. Zero resistance

D. Low resistance

Q18 **INCORRECT** How the potential relay coil is connected internally to the relay terminals?

A. 5 and 1 ☐

B. 5 and 4

C. 5 and 2 ☒

D. 2 and 4

Q19 **INCORRECT** Which refrigerant is used in domestic refrigerator?

A. R 22

B. R 32 ☐

C. R 134 a ☒

D. R 407 c

Q20 **CORRECT** How the zeotropic refrigerant is taken from the cylinder for charging it into RAC system?

- A. Liquid state** ☒
- B. Vapour state
- C. Vapour and liquid
- D. Super heated vapour

Q21 **CORRECT** Which two terminals read the highest resistance while testing refrigerator compressor motor?

- A. Start and run** ☒
- B. Common and run
- C. Start and common
- D. Start and compressor body

Q22 **INCORRECT** Which method is used to check the leakage of hydro fluoro carbon refrigerants?

- A. Electric torch
- B. Litmus paper** ☐
- C. Sulphur candles
- D. Electronic leak detector** ☒

Q23 **CORRECT** Which gas is used for pressurising and testing leakage of RAC system?

- A. O_2
- B. N_2** ☒
- C. O_3
- D. SO_2

Q24 **CORRECT** Which process absorbs heat from the cabinet in refrigerator?

A. Expansion

B. Compression

C. Evaporation ☒

D. Condensation

Q25 **CORRECT** What is ensured before removing a leaky evaporator in a refrigerator?

A. Recharge refrigerant to the system

B. Check the drain tray of evaporator

C. Removal of the thermostat sensor ☒

D. Pressurize the system with refrigerant

Q26 **CORRECT** What is the fault in compressor motor if there is electrical continuity between the dome and motor terminal?

A. Shorted run winding

B. Open common terminal

C. Shorted start winding

D. Grounded compressor motor ☒

Q27 **CORRECT** How does the evaporator frost affect the sub zero temperature thermally in refrigerator?

A. As conductor

B. As insulator ☒

C. As convector

D. As radiator

Q28 **INCORRECT** What is the reason for filter drier sweating in refrigerator?

A. Nitrogen in the system

B. Moisture in the system ☒

C. Oxygen in the system ☐

D. Oil in the system