

Exam

Q. ID: ITISKILL7403DH | March 2026

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Student Name	Karthik	Access Code	4821
Attempt No.	#1	Completion Time	03:45 PM
Rank	#3	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 **CORRECT** Which type of compressor is used as a vacuum pump?

A. Reciprocating

B. Centrifugal

C. Rotary ☒

D. Scroll

Q4 **CORRECT** 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 **INCORRECT** Which refrigerant blend is highly flammable?

A. HCFC ☐

B. HFC ☐

C. CFC ☐

D. HC ☒

Q6 **CORRECT** 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 **CORRECT** Which material is used to make the evaporator of refrigerator?

A. Galvanised iron

B. Stainless steel

C. Aluminium ☒

D. Brass

Q11 **CORRECT** 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 **CORRECT** 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 **INCORRECT** 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 **INCORRECT** 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 **CORRECT** 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 **INCORRECT** 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 **INCORRECT** Which process absorbs heat from the cabinet in refrigerator?

A. Expansion ☐

B. Compression

C. Evaporation ☐

D. Condensation

Q25 **INCORRECT** 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 **INCORRECT** 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