

ITI Quiz - 16-Feb-2026

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Q. ID: ITISKILL7392EB

February 2026

Answer Key

Duration: 30 Mins

Total Marks: 28

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1. What is the function of refrigerant fluid in a refrigerator?

- A) Absorbs heat from outside the cabinet
- B) Releases heat inside the cabinet
- C) Absorbs heat from inside the cabinet
- D) Absorbs heat from bottom side cabinet

Answer: C) Absorbs heat from inside the cabinet

2. Which refrigerant is used in domestic refrigerator?

- A) R 407 c
- B) R 134 a
- C) R 22
- D) R 32

Answer: B) R 134 a

3. How does the evaporator frost affect the sub zero temperature thermally in refrigerator?

- A) As insulator
- B) As conductor
- C) As convector
- D) As radiator

Answer: A) As insulator

4. Which two tubes act as heat exchanger in a refrigerator?

- A) Suction and charging tube
- B) Discharge and suction tube
- C) Discharge and capillary tube
- D) Capillary and suction tube

Answer: D) Capillary and suction tube

5. Which gas is used for pressurising and testing leakage of RAC system?

- A) SO₂
- B) O₂
- C) N₂
- D) O₃

Answer: C) N₂

6. Which type of motor drive is used in hermetic compressor in refrigerator?

- A) Push drive
- B) Gear drive
- C) Direct drive
- D) Belt drive

Answer: C) Direct drive

7. How the potential relay coil is connected internally to the relay terminals?

- A) 5 and 4
- B) 2 and 4
- C) 5 and 1
- D) 5 and 2

Answer: D) 5 and 2

8. Which two terminals read the highest resistance while testing refrigerator compressor motor?

A) Start and compressor body

B) Start and run

C) Common and run

D) Start and common

Answer: B) Start and run

9. Which refrigerant blend is highly flammable?

A) HC

B) HFC

C) CFC

D) HCFC

Answer: A) HC

10. How the zeotropic refrigerant is taken from the cylinder for charging it into RAC system?

A) Vapour state

B) Super heated vapour

C) Liquid state

D) Vapour and liquid

Answer: C) Liquid state

11. Which type of compressor is used as a vacuum pump?

A) Reciprocating

B) Scroll

C) Centrifugal

D) Rotary

Answer: D) Rotary

12. What is the minimum distance to be maintained between the wall and refrigerator condenser?

A) 15 cm

B) 18 cm

C) 13 cm

D) 22 cm

Answer: A) 15 cm

13. What is the reason for filter drier sweating in refrigerator?

A) Nitrogen in the system

B) Oil in the system

C) Oxygen in the system

D) Moisture in the system

Answer: D) Moisture in the system

14. What is the fault in compressor motor if there is electrical continuity between the dome and motor terminal?

A) Open common terminal

B) Shorted start winding

C) Shorted run winding

D) Grounded compressor motor

Answer: D) Grounded compressor motor

15. What is the full form of the relay - PTC?

A) Positive terminal circuit

B) Permanent temperature control

C) Polar terminal checking

D) Positive temperature coefficient

Answer: D) Positive temperature coefficient

16. What is the name of heat carrying medium in vapour compression system?

- A) Liquid
- B) Air
- C) Water
- D) Refrigerant

Answer: D) Refrigerant

17. Which refrigerant is highly flammable?

- A) HFC - Hydro fluoro carbon
- B) HCFC - Hydro chloro fluoro carbon
- C) CFC - Chloro fluoro carbon
- D) HC - Hydro carbon

Answer: D) HC - Hydro carbon

18. Which material is used to make the evaporator of refrigerator?

- A) Brass
- B) Galvanised iron
- C) Stainless steel
- D) Aluminium

Answer: D) Aluminium

19. What is the resistance level of start winding in a refrigerator's compressor motor?

- A) Zero resistance
- B) High resistance
- C) Medium resistance
- D) Low resistance

Answer: B) High resistance

20. Which component absorbs the maximum heat from the cabinet materials in frost free refrigerator?

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

Answer: A) Evaporator

21. Which process absorbs heat from the cabinet in refrigerator?

- A) Compression
- B) Evaporation
- C) Expansion
- D) Condensation

Answer: B) Evaporation

22. Which method is used to check the leakage of hydro

fluoro carbon refrigerants?

- A) Sulphur candles
- B) Electric torch
- C) Litmus paper
- D) Electronic leak detector

Answer: D) Electronic leak detector

23. Which refrigerant property is desirable for V.C system?

- A) Low Dielectric strength
- B) Corrosive to metals
- C) Low latent heat valve
- D) Low boiling point

Answer: D) Low boiling point

24. What is ensured before removing a leaky evaporator in a refrigerator?

- A) Pressurize the system with refrigerant
- B) Check the drain tray of evaporator
- C) Removal of the thermostat sensor
- D) Recharge refrigerant to the system

Answer: C) Removal of the thermostat sensor

25. Which is the hydrocarbon refrigerant?

- A) R 500
- B) R 600a
- C) R123
- D) R 12

Answer: B) R 600a

26. Which component rejects the maximum heat to ambient air in refrigerator?

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

Answer: A) Condenser

27. Which part of the refrigerator cools the liquid refrigerant in capillary tube?

- A) Evaporator
- B) Condenser
- C) Suction line
- D) Discharge line

Answer: C) Suction line

28. Which terminals are momentarily shorted to start the compressor motor without relay?

- A) C and S terminal
- B) S and compressor body
- C) S and R terminal
- D) C and R terminal

Answer: C) S and R terminal