

ITI Quiz - 16-Feb-2026

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Q. ID: ITISKILL7392EB

February 2026

Question Paper

Duration: 30 Mins

Total Marks: 28

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Student Name: _____ Roll No: _____

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

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

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

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

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

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

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

- A) Reciprocating
- B) Centrifugal
- C) Scroll
- D) Rotary

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

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

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

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

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

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

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

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

9. What is the fault in compressor motor if there is electrical

continuity between the dome and motor terminal?

- A) Shorted start winding
- B) Shorted run winding
- C) Grounded compressor motor
- D) Open common terminal

10. Which refrigerant is used in domestic refrigerator?

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

11. Which refrigerant blend is highly flammable?

- A) HCFC
- B) CFC
- C) HFC
- D) HC

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

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

13. Which method is used to check the leakage of hydro fluoro carbon refrigerants?

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

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

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

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

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

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

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

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

- A) 15 cm B) 22 cm
C) 18 cm D) 13 cm

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

- A) N₂ B) O₃
C) O₂ D) SO₂

19. Which is the hydrocarbon refrigerant?

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

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

- A) Start and compressor body B) Common and run
C) Start and run D) Start and common

21. Which refrigerant is highly flammable?

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

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

- A) Polar terminal checking B) Permanent temperature control
C) Positive temperature coefficient D) Positive terminal circuit

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

- A) Vapour state B) Vapour and liquid
C) Super heated vapour D) Liquid state

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

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

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

- A) Nitrogen in the system B) Oxygen in the system
C) Moisture in the system D) Oil in the system

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

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

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

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

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

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