

ITI Quiz - 21-May-2026

03:33 PM

Q. ID: ITISKILL1596MO

May 2026

Question Paper

Duration: 30 Mins

Total Marks: 16

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Student Name: _____ Roll No: _____

1. Which type of condenser is used in window Air conditioner?

- A) Evaporative B) Forced convection
C) Natural convection D) Water cooled

2. Which type of insulation material is used in modern refrigerators?

- A) Glass wool B) Thermocole
C) Saw dust D) Poly urethane foam

3. Which refrigerant is inactive to ozone layer?

- A) R 134a B) R 22
C) R 12 D) R 13

4. What type of heat is absorbed by primary refrigerant?

- A) Sensible heat B) Specific heat
C) Total heat D) Latent heat

5. What is the desiccant used in dehydrator of hydrocarbon charged RAC unit?

- A) Ammonia B) Silica gel
C) Calcium chloride D) Sulphur dioxide

6. Which property is desirable for an ideal refrigerant?

- A) High freezing point B) High specific volume
C) High latent heat value D) High boiling point

7. Which type of condenser is directly placed on water spray and air?

- A) Shell and tube condenser B) Evaporative condenser
C) Water cooled condenser D) Air cooled condenser

8. What is the remedy for broken bimetal thermo in a frost free refrigerator?

- A) Replace the bimetal thermo B) Reuse the bimetal thermo
C) Repair the bimetal thermo D) Readjust the bimetal thermo

9. What is the reason for no cooling in a frost free refrigerator?

- A) High watt Cabinet bulb B) Defective fan motor
C) Open door switch D) Defective timer

10. What are the causes for blockage in capillary tube?

- A) Over charging of refrigerant B) Moisture and wax from oil
C) Solid particles D) Non condensable gases

11. What is the physical change of refrigerant in evaporator?

- A) Solid to liquid B) Vapour to solid
C) Liquid to vapour D) Vapour to liquid

12. How the refrigerants are classified based on heat absorption by latent and sensible heat?

- A) Halocarbons and hydrocarbons B) Primary and secondary
C) Zeotropic and azeotropic D) Organic and inorganic

13. Why the supply air throw is decreased in window AC?

- A) Refrigerant leaks B) Normal RPM of fan motor
C) Frost blocks air circulation D) Clean air filter

14. What is the remedy for defective heating element in a frost free refrigerator?

- A) Readjust the heater B) Reuse the heater and over load protector
C) Repair heater D) Replace heater and bimetal thermo

15. What is the cylinder colour code of R 22 refrigerant?

- A) Orange B) White
C) Orchid D) Green

16. Which is the constant operating condition of TEV?

- A) Entropy at the condenser outlet B) Super heat at suction line point
C) Enthalpy at the evaporator outlet D) Evaporator pressure at its inlet