

# GOVT ITI PERDOOR

## TRADE THEORY

Q. ID: ITISKILL9247UE | March 2026

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Student Name	PRAJWAL	Access Code	4269
Attempt No.	#1	Completion Time	10:09 AM
Rank	#8	Total Questions	25

21 SCORE

25 MAX MARKS

21 CORRECT

4 INCORRECT

### Answer Review

**Q1 CORRECT** What is the type of condenser used in direct cool refrigerator?

A. Fin and tube

B. Shell and tube

C. Wire mesh

D. Tube in tube

**Q2 INCORRECT** Which type of expansion device is used in frost free refrigerator?

A. Float valve

B. Capillary tube

C. Automatic expansion valve

D. Thermostatic expansion valve

Q3 **CORRECT** Which type of evaporator is used in house hold refrigerator?

A. Plate evaporator

B. Tube in tube evaporator

C. Shell and coil evaporator

D. Shell and tube evaporator

Q4 **CORRECT** Which evaporator is known as extended surface evaporator?

A. Evaporator tubes

B. Finned evaporator

C. Bare tube evaporator

D. Coiled stake evaporator

Q5 **CORRECT** Which type of insulation material is used in modern refrigerators?

A. Saw dust

B. Glass wool

C. Thermocole

D. Poly urethane foam

Q6 **CORRECT** Which colour is used for painting condenser coil?

A. Green

B. Black

C. Blue

D. Red

**Q7** **INCORRECT** What is the purpose of chemical spraying on finned condenser?

**A.** Flush out the condenser tubes

**B.** Remove the rust on the fins

**C.** Blow the dust from the fins

**D.** Correct the bends in fins

**Q8** **CORRECT** What is the advantage of using capillary tube as an expansion device?

**A.** Temperature balancing is easy

**B.** Pressure balancing is easy

**C.** Volume balancing is easy

**D.** Complicate design

**Q9** **CORRECT** Which component is connected in series with defrost heater in a frost free refrigerator?

**A.** Door switch

**B.** Cabinet bulb

**C.** Bimetal thermo

**D.** Heating element

**Q10** **INCORRECT** How much minimum gap is left on either side of the refrigerator from the wall during installation?

**A.** 5 cm

**B.** 10 cm

**C.** 15 cm

**D.** 25 cm

Q11 **CORRECT** Where the dehydrator is installed in a refrigeration system?

A. Discharge line

B. Capillary line

C. Suction line

D. Liquid line

Q12 **CORRECT** Which device meters the amount of refrigerant entering the evaporator in window AC?

A. Accumulator

B. Capillary tube

C. Heat exchanger

D. Finned tube condenser

Q13 **CORRECT** Which gas is used for flushing blocked capillary tube?

A. Moist air

B. Hydrogen

C. Dry nitrogen

D. Aqua ammonia

Q14 **CORRECT** Which component is connected in series with bimetal thermo in a frost free refrigerator?

A. Blower

B. Door switch

C. Cabinet bulb

D. Defrost heater

Q15 **INCORRECT** Which cooling medium is used to condense the refrigerant vapour in plate and tube condenser?

A. Natural Air

B. Forced Air

C. Water

D. Brine solution

Q16 **CORRECT** Which gas is used to flush out the coils of air cooled condenser?

A. Dry nitrogen

B. Pure dry air

C. Oxygen

D. kaksr

Q17 **CORRECT** Which application uses the capillary tube expansion device?

A. Domestic RAC units

B. Industrial ice plants

C. Commercial AC plants

D. Hospital IAQ systems

Q18 **CORRECT** 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

Q19 **CORRECT** What is the use of dehydrator?

- A. Absorb oil
- B. Absorb heat
- C. Absorb refrigerant
- D. Absorb moisture

Q20 **CORRECT** How pressure drop is achieved in capillary tube of refrigeration cycle?

- A. The friction between refrigerant and tube
- B. The friction between refrigerant and oil
- C. The friction between piston and cylinder
- D. The friction between belt and pulley

Q21 **CORRECT** What is the desiccant used in dehydrator of hydrocarbon charged RAC unit?

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

Q22 **CORRECT** Which type of defrosting method is used in frost free refrigerator?

- A. Hot water defrosting
- B. Manual defrosting
- C. Hot gas defrosting
- D. Electric defrosting

**Q23** **CORRECT** Why evaporator of air conditioner has more fins per inch?

- A. Increase the air contact**
- B. Increase the water dripping
- C. Decrease the air circulation
- D. Produce more ice

**Q24** **CORRECT** What is the remedy for broken bimetal thermo in a frost free refrigerator?

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

**Q25** **CORRECT** What are the causes for blockage in capillary tube?

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