

Duration: 30 Mins

Total Marks: 25

ID: ITISKILL9247UE

Student Name: _____	Roll No: _____
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1. Which type of insulation material is used in modern refrigerators?

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

2. Which application uses the capillary tube expansion device?

- A) Hospital IAQ systems
- B) Industrial ice plants
- C) Domestic RAC units
- D) Commercial AC plants

3. 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

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

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

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

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

6. Which type of defrosting method is used in frost free refrigerator?

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

7. How pressure drop is achieved in capillary tube of refrigeration cycle?

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

8. What is the purpose of chemical spraying on finned condenser?

- A) Flush out the condenser tubes
- B) Blow the dust from the fins
- C) Correct the bends in fins
- D) Remove the rust on the fins

9. Which component is connected in series with bimetal thermo in a frost free refrigerator?

- A) Blower
- B) Cabinet bulb
- C) Door switch
- D) Defrost heater

10. Where the dehydrator is installed in a refrigeration system?

- A) Capillary line
- B) Discharge line
- C) Liquid line
- D) Suction line

11. Which colour is used for painting condenser coil?

- A) Black
- B) Red
- C) Green
- D) Blue

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

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

13. What is the use of dehydrator?

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

14. What is the type of condenser used in direct cool refrigerator?

- A) Shell and tube
- B) Wire mesh
- C) Fin and tube
- D) Tube in tube

15. Which gas is used to flush out the coils of air cooled condenser?

- A) Pure dry air
- B) Oxygen
- C) Dry nitrogen
- D) kaksr

16. Which gas is used for flushing blocked capillary tube?

- A) Aqua ammonia
- B) Moist air
- C) Dry nitrogen
- D) Hydrogen

17. How much minimum gap is left on either side of the refrigerator from the wall during installation?

- A) 10 cm
- B) 25 cm
- C) 5 cm
- D) 15 cm

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

- A) Brine solution
- B) Forced Air
- C) Natural Air
- D) Water

**19.** Which evaporator is known as extended surface evaporator?

- A) Bare tube evaporator
- B) Evaporator tubes
- C) Finned evaporator
- D) Coiled stake evaporator

**20.** Which type of expansion device is used in frost free refrigerator?

- A) Thermostatic expansion valve
- B) Capillary tube
- C) Float valve
- D) Automatic expansion valve

**21.** Which device meters the amount of refrigerant entering the evaporator in window AC?

- A) Finned tube condenser
- B) Heat exchanger
- C) Accumulator
- D) Capillary tube

**22.** Which component is connected in series with defrost heater in a frost free refrigerator?

- A) Door switch
- B) Heating element
- C) Cabinet bulb
- D) Bimetal thermo

**23.** Which type of evaporator is used in house hold refrigerator?

- A) Plate evaporator
- B) Tube in tube evaporator
- C) Shell and tube evaporator
- D) Shell and coil evaporator

**24.** Why evaporator of air conditioner has more fins per inch?

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

**25.** What is the advantage of using capillary tube as an expansion device?

- A) Pressure balancing is easy
- B) Volume balancing is easy
- C) Complicate design
- D) Temperature balancing is easy