

Duration: 45 Mins

Total Marks: 50

Q.ID: ITISKILL6867U7

1. How the capacity of refrigerator is expressed?

- A) Wattage B) Tonnage
C) Litres D) Weightage

Answer: C) Litres

2. Which sheet is used to check the tightness of door gasket of a refrigerator?

- A) Rubber B) Copper
C) Zinc D) Plastic

Answer: D) Plastic

3. What is the result if discharge reed is broken in open type compressor?

- A) More pumping B) No pumping
C) Poor pumping D) Oil pumping

Answer: B) No pumping

4. Which method is used to connect the swaged joint in copper tubes?

- A) Lead soldering B) TIG welding
C) Silver brazing D) Fusion welding

Answer: C) Silver brazing

5. Which method of refrigeration system is adopted in frost free refrigerator?

- A) Vapour absorption B) Vapour compression
C) Water vapour D) Evacuating

Answer: B) Vapour compression

6. Which electrical control cuts off heating element in frost free refrigerator?

- A) Thermostat B) Timer
C) Bimetal thermo D) Relay

Answer: C) Bimetal thermo

7. What is the cause for refrigerator door gap at closing position?

- A) Uneven floor level B) Either side gap less
C) Either side gap more D) Uneven condenser level

Answer: A) Uneven floor level

8. Which thermodynamic process the temperature is kept constant?

- A) Constant pressure process B) Isobaric process

C) Isothermal process D) Constant volume process

Answer: C) Isothermal process

9. What is the purpose of accumulator in a refrigerator?

- A) Prevents surging of refrigerant B) Improves oil circulation
C) Avoids hunting of refrigerant D) Prevents liquid flood back to compressor

Answer: D) Prevents liquid flood back to compressor

10. Which component controls the thermostat and defrost heater in frost free refrigerator?

- A) Thermoheater B) Defrost timer
C) Relay D) OLP

Answer: B) Defrost timer

11. What is the effect of contamination in refrigeration system?

- A) Low humidity B) Poor cooling
C) Low pressure D) High heating

Answer: B) Poor cooling

12. What is top dead centre in reciprocating compressor cylinder?

- A) The piston moves up from the point of cylinder
B) The piston moves down from the point of cylinder
C) The piston starts in cylinder at bottom
D) The piston stops in cylinder at bottom

Answer: B) The piston moves down from the point of cylinder

13. What is the atmospheric pressure at sea level?

- A) 1.5 Kg/cm² B) 1.033 kg/cm²
C) 1.3 Kg/cm² D) 1.6 Kg/cm²

Answer: B) 1.033 kg/cm²

14. Which movement of plunger energises the start winding in relay operation?

- A) Vertically down B) Bottom side
C) Horizontally left D) Vertically up

Answer: D) Vertically up

15. What is the absolute zero temperature in degree centigrade?

- A) -273 Degree Centigrade B) 0 Degree Centigrade

C) 100 Degree Centigrade D) 212 Degree Centigrade

Answer: A) -273 Degree Centigrade

16. What is the advantage of using flux in brazing?

- A) Melting tubes B) Over heating
C) Chemical reaction D) Prevent Oxidation

Answer: D) Prevent Oxidation

17. What is the rate of doing work?

- A) Velocity B) Power
C) Duty D) Force

Answer: B) Power

18. Which device protects the compressor motor from drawing more current?

- A) Door switch B) OLP
C) Relay D) Thermostat

Answer: B) OLP

19. What is bottom dead centre in reciprocating compressor cylinder?

- A) The piston moves up from the point of cylinder
B) The piston moves down from the point of cylinder
C) The piston stops in cylinder at top
D) The piston starts in cylinder at top

Answer: A) The piston moves up from the point of cylinder

20. Which component actuates the defrost cycle in frost free refrigerator?

- A) Bimetal thermo B) Defrost heater
C) Relay D) Timer

Answer: D) Timer

21. What is the barometer reading at sea level in Hg column?

- A) 750 mm B) 740 mm
C) 760 mm D) 730 mm

Answer: C) 760 mm

22. Where the thermal bulb is fixed in frost free refrigerator?

- A) Last coil of evaporator B) Liquid line
C) Discharge line D) Last coil of condenser

Answer: A) Last coil of evaporator

23. What is the reason if refrigerator runs normally but no cooling effect?

- A) Condenser block B) Over charge
C) Leakage of refrigerant D) Filter block

Answer: C) Leakage of refrigerant

24. What is the cut out temperature of bimetal thermo in frost free refrigerator?

- A) 5 Degree Centigrade B) 10 Degree Centigrade
C) 25 Degree Centigrade D) 20 Degree Centigrade

Answer: B) 10 Degree Centigrade

25. Which device equalizes the system pressure in frost free refrigerator?

- A) Compressor B) Capillary tube
C) Condenser D) Evaporator

Answer: B) Capillary tube

26. What is the absolute pressure of gas in a cylinder, if gauge reads 135.3 p.s.i.?

- A) 140 p.s.i.a B) 150 p.s.i.a
C) 130 p.s.i.a D) 160 p.s.i.a

Answer: B) 150 p.s.i.a

27. Which component is replaced to prevent air entering the refrigerator cabinet?

- A) Door gasket B) Door paint
C) Door hinges D) Thermostat

Answer: A) Door gasket

28. Which is used to clean the condenser fins of a refrigerator?

- A) Painting brush B) Fin comb
C) Diluted acid D) Soap solution

Answer: A) Painting brush

29. Which compressor dome handles high pressure and high temperature vapour?

- A) Hermetic rotary compressor B) Open type reciprocating compressor
C) Hermetic reciprocating compressor D) Semi hermetic reciprocating compressor

Answer: A) Hermetic rotary compressor

30. Which domestic system uses automatic defrost?

- A) Window air - conditioner B) Frost free refrigerator
C) Split air - conditioner D) Conventional refrigerator

Answer: B) Frost free refrigerator

31. Which components maintain the pressure difference in RAC system?

- A) Condenser and filter B) Evaporator and motor
C) Compressor and expansion device D) Receiver and condenser

Answer: C) Compressor and expansion device

32. Which condition is maintained for refrigerant in high side of vapour compression system?

- A) Below its freezing temperature B) Below its critical temperature

- C) Above its critical temperature
D) Above its freezing temperature

Answer: B) Below its critical temperature

33. How the level of heat in a substance is expressed?

- A) Pressure
B) Humidity
C) Temperature
D) Micron

Answer: C) Temperature

34. Which components are connected by metering device in vapour compression cycle?

- A) Compressor and condenser
B) Condenser and evaporator
C) Evaporator and suction line
D) Compressor and evaporator

Answer: B) Condenser and evaporator

35. What is the temperature maintained in the refrigerator freezer?

- A) - 65 Degree Centigrade
B) - 15 Degree Centigrade
C) 0 Degree Centigrade
D) - 45 Degree Centigrade

Answer: B) - 15 Degree Centigrade

36. Which is connected in series with start capacitor in motor circuit?

- A) Common terminal
B) Starting winding
C) Running winding
D) Running Terminal

Answer: B) Starting winding

37. What is the working condition of component during defrost cycle in frost free refrigerator?

- A) Compressor is not running
B) Evaporator fan motor is running
C) Relay activated
D) Thermostat cuts off

Answer: A) Compressor is not running

38. Which refrigeration system works on directly by the heat energy?

- A) Vapour compression refrigeration
B) Mechanical refrigeration
C) Jet refrigeration
D) Vapour absorption refrigeration

Answer: D) Vapour absorption refrigeration

39. Which component is turned off while defrost heater is energised?

- A) Cabinet bulb
B) Thermostat sensor
C) Evaporator fan
D) Over load protector

Answer: C) Evaporator fan

40. Where the manually defrosted water is stored in refrigerator?

- A) Tray on top of the compressor
B) Bottom of the evaporator
C) Bottom of the condenser
D) Top of the freezer

Answer: A) Tray on top of the compressor

41. Why frost free model refrigerator takes less freezing time of products?

- A) Low temperature setting
B) High temperature setting
C) Natural air circulation
D) Forced air circulation

Answer: D) Forced air circulation

42. Which component is used in frost free refrigerator?

- A) Liquid receiver
B) Plate coil evaporator
C) Oil separator
D) Timer switch

Answer: D) Timer switch

43. What is the equivalent absolute scale for centigrade?

- A) Celsius
B) Rankine
C) Fahrenheit
D) Kelvin

Answer: D) Kelvin

44. What is the energy of a body by virtue of its position?

- A) Wind energy
B) Electrical energy
C) Potential energy
D) Kinetic energy

Answer: C) Potential energy

45. What is the melting temperature of silver brazing rod?

- A) 1250 Degree F
B) 1120 Degree F
C) 1200 Degree F
D) 1300 Degree F

Answer: B) 1120 Degree F

46. Which instrument is used for measuring heat?

- A) Thermometer
B) Anemometer
C) Ammeter
D) Calorimeter

Answer: D) Calorimeter

47. What is the physical state of ammonia at condenser inlet in vapour absorption system?

- A) Vapour
B) Semi solid
C) Solid
D) Liquid

Answer: A) Vapour

48. What is the capacity of doing work?

- A) Work
B) Force
C) Power
D) Energy

Answer: D) Energy

49. Which component defrosts in frost free refrigerator?

- A) Bulb
B) Heater
C) Thermostat
D) Capillary tube

Answer: B) Heater

50. Which factors produce work?

A) Force and power

B) Force and distance

C) Time and distance

D) Force and time

Answer: B) Force and distance
