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Trinity ITI Udyavara

Answer Key

Duration: 60 Mins

Total Marks: 135

Q.ID: ITISKILL72720L

1. How the difference between the synchronous speed and the actual rotor speed is specified?

- A) Slip
B) Lag
C) Lead
D) Trip

Answer: A) Slip

2. Which movement of the scroll compresses the low pressure vapour in scroll compressor?

- A) Centrifugal
B) Orbital
C) Rotating
D) Reciprocating

Answer: B) Orbital

3. What is the revolving part of induction motor?

- A) Rotor
B) Stator
C) Winding
D) Relay

Answer: A) Rotor

4. What is the equivalent absolute scale for centigrade?

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

Answer: A) Kelvin

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

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

Answer: C) Painting brush

6. What is effect of compression process on refrigerant vapour?

- A) Decrease the pressure and temperature
B) Increase the pressure and temperature
C) Heat the vapour below saturation
D) Cool the vapour above saturation

Answer: B) Increase the pressure and temperature

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

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

Answer: A) Timer

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

- A) Filter block
B) Leakage of refrigerant

- C) Condenser block
D) Over charge

Answer: B) Leakage of refrigerant

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

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

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

10. What is the physical condition of refrigerant in hermetic dome of rotary compressor?

- A) HP Liquid
B) LP Vapour
C) HP Vapour
D) LP Liquid

Answer: C) HP Vapour

11. What is the temperature set in thermostat that stops the compressor motor?

- A) Cut in
B) Differential
C) Cut out
D) Range

Answer: C) Cut out

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

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

Answer: B) Evaporative condenser

13. Which lubricant oil is used in swash plate of R 134a compressor?

- A) POE
B) Servo 20
C) SAE - 40
D) Mineral oil

Answer: A) POE

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

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

Answer: B) Bimetal thermo

15. What is the advantage of a hermetically sealed compressor in refrigerator?

- A) Noise is more
B) Silent operation

- C) Easily serviceable D) Cost is high

Answer: B) Silent operation

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

- A) Above its freezing temperature B) Below its freezing temperature
C) Above its critical temperature D) Below its critical temperature

Answer: D) Below its critical temperature

17. What is the cause for frequent tripping of circuit breaker while starting a single phase motor?

- A) Winding open B) Winding short
C) Motor belt removed D) No load on the motor

Answer: B) Winding short

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

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

Answer: A) Silver brazing

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

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

Answer: A) 1120 Degree F

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

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

Answer: C) Hermetic rotary compressor

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

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

Answer: B) Door gasket

22. What is the use of a starting capacitor in single phase induction motor?

- A) Decrease starting torque B) Disconnect starting winding
C) Improve power factor D) Increase starting torque

Answer: D) Increase starting torque

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

- A) Saw dust B) Thermocole

- C) Poly urethane foam D) Glass wool

Answer: C) Poly urethane foam

24. Which is the constant operating condition of TEV?

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

Answer: D) Super heat at suction line point

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

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

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

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

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

Answer: C) 10 Degree Centigrade

27. Which instrument is used for measuring heat?

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

Answer: D) Calorimeter

28. What is the unit of heat in M.K.S system?

- A) KV (Kilo Volt) B) B.T.U (British thermal unit)
C) K.Cal (Kilo Calorie) D) K.W (Kilo Watt)

Answer: C) K.Cal (Kilo Calorie)

29. Which valve is closed during compression stroke in reciprocating compressor?

- A) Suction valve B) Service valve
C) Discharge valve D) Liquid line valve

Answer: A) Suction valve

30. Which is a positive displacement compressor?

- A) Scroll compressor B) Centrifugal compressor
C) Water pump D) Oil pump

Answer: A) Scroll compressor

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

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

Answer: D) Uneven floor level

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

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

Answer: B) Forced air circulation

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

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

Answer: C) - 15 Degree Centigrade

34. Why there is no frosting at the bottom only in plate coil evaporator used with refrigerator?

- A) Oil present in the coil
- B) Liquid in the coil
- C) Excess of refrigerant
- D) Shortage of refrigerant

Answer: A) Oil present in the coil

35. Why frost accumulates in window AC evaporator?

- A) Air filter blocked
- B) Capillary choking
- C) Less charge of refrigerant
- D) Over charge of refrigerant

Answer: A) Air filter blocked

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

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

Answer: C) No pumping

37. Which is used to connect the rotor bars in 3phase squirrel cage induction motor?

- A) Nut and bolt
- B) Screw
- C) End ring
- D) Welded

Answer: C) End ring

38. Why the capillary tube is preferred as an expansion device?

- A) Expensive and more moving parts
- B) Inexpensive and has no moving parts
- C) No system pressure equalising
- D) Periodical servicing is required

Answer: B) Inexpensive and has no moving parts

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

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

Answer: A) Compressor and expansion device

40. Which component defrosts in frost free refrigerator?

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

Answer: D) Heater

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

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

Answer: D) OLP

42. 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

Answer: D) Defrost heater

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

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

Answer: C) Plastic

44. What is the capacity of doing work?

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

Answer: A) Energy

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

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

Answer: A) Silica gel

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

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

Answer: B) Tray on top of the compressor

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

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

Answer: D) Natural Air

48. Why the top of dome is hot in a scroll compressor?

- A) Undercharged system
- B) Suction gas not cooled
- C) Suction super heat is less
- D) Discharge plenum is at top

Answer: D) Discharge plenum is at top

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

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

Answer: B) The friction between refrigerant and tube

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

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

Answer: C) Capillary tube

51. Where the refrigerant vapour is compressed in scroll compressor?

- A) Crank and connecting rod
- B) Between fixed and orbiting scrolls
- C) Fixed and reciprocating scroll
- D) Eccentric and cylinder

Answer: B) Between fixed and orbiting scrolls

52. What is the boiling point of pure water in centigrade scale?

- A) 100 Degree Centigrade
- B) 212 Degree Centigrade
- C) 32 Degree Centigrade
- D) 0 Degree Centigrade

Answer: A) 100 Degree Centigrade

53. Which is the constant reference for the working of AEV?

- A) Suction pressure
- B) Oil temperature
- C) Volume expansion
- D) Discharge pressure

Answer: A) Suction pressure

54. Which colour is used for painting condenser coil?

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

Answer: C) Black

55. What is the process of accumulation of ice on the surface of evaporator?

- A) Melting of frost
- B) Defrosting
- C) Frosting
- D) Evacuating

Answer: C) Frosting

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

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

Answer: C) Defrost timer

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

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

Answer: B) Poor cooling

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

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

Answer: A) Replace the bimetal thermo

59. What is the atmospheric pressure at sea level?

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

Answer: C) 1.033 kg/cm²

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

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

Answer: B) Prevents liquid flood back to compressor

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

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

Answer: A) Electric defrosting

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

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

Answer: B) Last coil of evaporator

63. 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

Answer: B) Moisture and wax from oil

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

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

Answer: D) Compressor is not running

65. Which motor has the least starting torque?

- A) CSIR
- B) CSR
- C) RSIR
- D) PSC

Answer: C) RSIR

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

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

Answer: D) 15 cm

67. Which thermodynamic process the temperature is kept constant?

- A) Constant pressure process
- B) Constant volume process
- C) Isothermal process
- D) Isobaric process

Answer: C) Isothermal process

68. Which instrument is used to identify the terminals of a compressor motor?

- A) Voltmeter
- B) Ohm meter
- C) Anemometer
- D) Ammeter

Answer: B) Ohm meter

69. What is the effect of pressure drop at the inlet of the evaporator?

- A) Boiling of oil
- B) Flashing of liquid refrigerant
- C) Freezing of liquid refrigerant
- D) Freezing of liquid

Answer: B) Flashing of liquid refrigerant

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

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

Answer: A) Capillary tube

71. What is the effect of moist air present inside the hermetic system?

- A) Harmful to the compressor and motor
- B) Increase the life of compressor
- C) Capacity of compressor will increase
- D) Less wear and tear in compressor

Answer: A) Harmful to the compressor and motor

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

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

Answer: D) Wire mesh

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

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

Answer: C) Vapour compression

74. Which part connects the piston with small end of connecting rod in a reciprocating compressor?

- A) Piston bolt
- B) Piston sleeve
- C) Piston rings
- D) Piston pin

Answer: D) Piston pin

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

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

Answer: B) Temperature

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

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

Answer: B) Replace heater and bimetal thermo

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

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

Answer: B) Vapour

78. Which winding is made of thin wire in single phase motor?

- A) Main
- B) Series
- C) Starting
- D) Running

Answer: C) Starting

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

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

Answer: B) Liquid line

80. Which domestic system uses automatic defrost?

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

Answer: D) Frost free refrigerator

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

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

Answer: B) Bimetal thermo

82. Which instrument is used to measure atmospheric pressure?

- A) Barometer
C) Hygrometer
- B) Manometer
D) Hydrometer

Answer: A) Barometer

83. Which motor has the least starting torque?

- A) CSIR
C) RSIR
- B) PSC
D) CSR

Answer: C) RSIR

84. What is the use of dehydrator?

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

Answer: C) Absorb moisture

85. Which cooling medium is used to cool the motor of a hermetic reciprocating compressor in AC?

- A) Suction vapour
C) Water
- B) Discharge vapour
D) Liquid refrigerant

Answer: A) Suction vapour

86. What is the rate of doing work?

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

Answer: C) Power

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

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

Answer: B) Liquid to vapour

88. Which type of drier filter is suitable for HFC refrigerants?

- A) Silica gel
C) Activated alumina
- B) Molecular sieve type
D) Activated carbon

Answer: B) Molecular sieve type

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

- A) 0 Degree Centigrade
C) -273 Degree Centigrade
- B) 100 Degree Centigrade
D) 212 Degree Centigrade

Answer: C) -273 Degree Centigrade

90. Which expansion valve is suitable for constant load operation?

- A) Low side float valve
C) King valve
- B) Relief valve
D) Automatic expansion valve

Answer: D) Automatic expansion valve

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

- A) Hydrogen
B) Aqua ammonia

- C) Moist air
D) Dry nitrogen

Answer: D) Dry nitrogen

92. Which component is used in frost free refrigerator?

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

Answer: C) Timer switch

93. Which gas is used for pressure testing the compressor dome?

- A) Nitrogen
C) Air
- B) Refrigerant
D) Oxygen

Answer: A) Nitrogen

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

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

Answer: B) Defective timer

95. What is the reason for poor compression?

- A) Lapped valve plate and reed seat
C) Good lubrication on the moving parts
- B) Scratches on the piston surface
D) Less clearance volume

Answer: B) Scratches on the piston surface

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

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

Answer: C) Vertically up

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

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

Answer: B) Increase the air contact

98. What is the use of capacitor in PSC operated induction motor?

- A) Improve the power factor
C) Decrease the starting torque
- B) Cancel the starting torque
D) Decrease the power factor

Answer: A) Improve the power factor

99. Which law is related to the constant PV at constant T?

- A) Charles s law
C) Renaults law
- B) Pascal s law
D) Boyles law

Answer: D) Boyles law

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

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

Answer: C) Remove the rust on the fins

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

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

Answer: B) Plate evaporator

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

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

Answer: C) Potential energy

103. What is the method of starting a 3 phase slip ring induction motor?

- A) Using starting capacitor
- B) With running capacitor
- C) Adding resistance to rotor winding
- D) With starting relay

Answer: C) Adding resistance to rotor winding

104. 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

105. Which application uses the capillary tube expansion device?

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

Answer: A) Domestic RAC units

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

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

Answer: B) Evaporator fan

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

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

Answer: A) Capillary tube

108. How to change the direction of rotation in 3 Phase induction motor?

- A) Change neutral
- B) Change the winding only
- C) Change all phase
- D) Change any two phase

Answer: D) Change any two phase

109. What is the advantage of sealed system compared to open type system?

- A) Any refrigerant can be used
- B) No shaft seal is required
- C) Mechanical efficiency is greater
- D) Cylinder lubrication is easier

Answer: B) No shaft seal is required

110. What is the physical state of refrigerant at the outlet of condenser in vapour compression cycle?

- A) High pressure liquid
- B) Low pressure vapour
- C) Low pressure liquid
- D) High pressure vapour

Answer: A) High pressure liquid

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

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

Answer: A) 760 mm

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

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

Answer: D) Frost blocks air circulation

113. Which evaporator is known as extended surface evaporator?

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

Answer: A) Finned evaporator

114. How the capacity of refrigerator is expressed?

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

Answer: C) Litres

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

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

Answer: D) Condenser and evaporator

116. Which type of rotor is used in 3 Phase induction motor?

- A) Shaded pole rotor B) Solid rotor
C) Squirrel cage rotor D) Laminated rotor

Answer: C) Squirrel cage rotor

117. Which factors produce work?

- A) Force and power B) Time and distance
C) Force and time D) Force and distance

Answer: D) Force and distance

118. What is the reason for frost accumulation in between fins and tubes of evaporator in frost free refrigerator?

- A) Under charge of refrigerant B) Defective fan motor
C) Defective timer D) Over charge of refrigerant

Answer: B) Defective fan motor

119. Which capacitor is disconnected by relay in capacitor start and induction run motor?

- A) Running capacitor B) Power factor correction capacitor
C) Boosting capacitor D) Starting capacitor

Answer: D) Starting capacitor

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

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

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

121. Which is disconnected by centrifugal switch in RSIR motor?

- A) Running winding B) Common winding
C) Running capacitor D) Starting winding

Answer: D) Starting winding

122. Which type of evaporator is used in frost free refrigerator?

- A) Wire mesh B) Finned tube
C) Shell and tube D) Plate type

Answer: B) Finned tube

123. What is the reason for swash plate compressor failure in car AC?

- A) Refrigerant charge normal B) Oil level is medium
C) Oil level is low D) Thermostat not working

Answer: C) Oil level is low

124. What is the use of suction baffle in a scroll compressor?

- A) Allow liquid to enter into compressor B) Reduce capacity of compressor
C) Increase noise of compressor D) Reduce noise of compressor

Answer: D) Reduce noise of compressor

125. Which type of compressor is used for domestic refrigerator?

- A) Semi sealed compressor B) Hermetic compressor
C) Open type compressor D) Centrifugal compressor

Answer: B) Hermetic compressor

126. Which winding is made of thick wire in single phase induction motor?

- A) Auxiliary B) Running
C) Additional D) Starting

Answer: B) Running

127. Which component switches ON/OFF the starting winding in RSIR motor?

- A) Capacitor B) Relay
C) Thermostat D) OLP

Answer: B) Relay

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

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

Answer: D) Pressure balancing is easy

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

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

Answer: D) Prevent Oxidation

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

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

Answer: A) Starting winding

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

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

Answer: C) Forced convection

132. Which two components do the compressor function in vapour absorption system?

- A) Generator and separator B) Generator and evaporator
C) Generator and condenser D) Generator and absorber

Answer: D) Generator and absorber

133. What is the effect of bimetal thermo sticks in ON position in frost free refrigerator?

A) Poor cooling

B) Accumulation of frost

C) No cooling

D) More cooling

Answer: C) No cooling

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

A) Oxygen

B) Pure dry air

C) kaksr

D) Dry nitrogen

Answer: D) Dry nitrogen

135. What is the formula to find out the synchronous speed of induction motor?

A) $N_s = (150f/P)$

B) $N_s = (120P/f)$

C) $N_s = (120f/P)$

D) $N_s = (150P/f)$

Answer: C) $N_s = (120f/P)$