

Trinity ITI Udyavara

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24.44% 33 / 135

Student Name	Sujan	Access Code	4175
Attempt No.	#2	Completion Time	02:04 PM
Rank	#11	Total Questions	135

33 SCORE

135 MAX MARKS

33 CORRECT

102 INCORRECT

Answer Review

Q1 **INCORRECT** What is the atmospheric pressure at sea level?

A. 1.033 kg/cm² ☐

B. 1.3 Kg/cm² ☐

C. 1.5 Kg/cm² ☐

D. 1.6 Kg/cm² ☐

Q2 **INCORRECT** What is the rate of doing work?

A. Duty ☐

B. Force ☐

C. Power ☐

D. Velocity ☐

Q3 **INCORRECT** What is the melting temperature of silver brazing rod?

A. 1120 Degree F ☐

B. 1200 Degree F ☐

C. 1250 Degree F ☒

D. 1300 Degree F ☐

Q4 **INCORRECT** Which instrument is used to measure atmospheric pressure?

A. Hygrometer ☐

B. Hydrometer ☒

C. Manometer ☐

D. Barometer ☐

Q5 **INCORRECT** What is the unit of heat in M.K.S system?

A. B.T.U (British thermal unit) ☐

B. K.Cal (Kilo Calorie) ☒

C. KV (Kilo Volt) ☐

D. K.W (Kilo Watt) ☐

Q6 **INCORRECT** What is the boiling point of pure water in centigrade scale?

A. 212 Degree Centigrade ☐

B. 100 Degree Centigrade ☒

C. 32 Degree Centigrade ☐

D. 0 Degree Centigrade ☐

Q7 **INCORRECT** What is bottom dead centre in reciprocating compressor cylinder?

A. The piston moves up from the point of cylinder ☐

B. The piston stops in cylinder at top

C. The piston moves down from the point of cylinder

D. The piston starts in cylinder at top ☐

Q8 **INCORRECT** What is the barometer reading at sea level in Hg column?

A. 760 mm ☐

B. 750 mm

C. 740 mm ☐

D. 730 mm

Q9 **INCORRECT** What is the capacity of doing work?

A. Work ☐

B. Power

C. Force

D. Energy ☐

Q10 **INCORRECT** Which instrument is used for measuring heat?

A. Thermometer ☐

B. Anemometer

C. Calorimeter ☐

D. Ammeter

Q11 **INCORRECT** Which refrigeration system works on directly by the heat energy?

A. Jet refrigeration

B. Mechanical refrigeration

C. Vapour absorption refrigeration ☐

D. Vapour compression refrigeration ☐

Q12 **INCORRECT** What is the absolute zero temperature in degree centigrade?

A. 0 Degree Centigrade ☐

B. 100 Degree Centigrade

C. -273 Degree Centigrade ☐

D. 212 Degree Centigrade

Q13 **INCORRECT** How the level of heat in a substance is expressed?

A. Micron ☐

B. Pressure

C. Humidity

D. Temperature ☐

Q14 **INCORRECT** What is the energy of a body by virtue of its position?

A. Wind energy

B. Kinetic energy ☐

C. Potential energy ☐

D. Electrical energy

Q15 **INCORRECT** What is the physical state of ammonia at condenser inlet in vapour absorption system?

A. Solid

B. Liquid

C. Vapour ☒

D. Semi solid ☐

Q16 **INCORRECT** Which law is related to the constant PV at constant T?

A. Boyles law ☒

B. Charles s law

C. Pascal s law ☐

D. Renaults law

Q17 **INCORRECT** Which thermodynamic process the temperature is kept constant?

A. Isobaric process ☐

B. Isothermal process ☒

C. Constant volume process

D. Constant pressure process

Q18 **INCORRECT** What is the equivalent absolute scale for centigrade?

A. Kelvin ☒

B. Celsius ☐

C. Rankine

D. Fahrenheit

Q19 **INCORRECT** Which method is used to connect the swaged joint in copper tubes?

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

Q20 **INCORRECT** Which components maintain the pressure difference in RAC system?

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

Q21 **INCORRECT** What is top dead centre in reciprocating compressor cylinder?

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

Q22 **CORRECT** Which component controls the thermostat and defrost heater in frost free refrigerator?

- A. Thermoheater
- B. Defrost timer ☐
- C. Relay
- D. OLP

Q23 **CORRECT** What is the advantage of using flux in brazing?

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

Q24 **INCORRECT** Which compressor dome handles high pressure and high temperature vapour?

- A. Semi hermetic reciprocating compressor ☐
- B. Open type reciprocating compressor
- C. Hermetic reciprocating compressor
- D. Hermetic rotary compressor ☒

Q25 **CORRECT** What is the absolute pressure of gas in a cylinder, if gauge reads 135.3 p.s.i?

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

Q26 **INCORRECT** Which two components do the compressor function in vapour absorption system?

- A. Generator and absorber ☒
- B. Generator and separator
- C. Generator and condenser ☐
- D. Generator and evaporator

Q27 **INCORRECT** Which components are connected by metering device in vapour compression cycle?

A. Condenser and evaporator ☐

B. Compressor and condenser

C. Evaporator and suction line ☐

D. Compressor and evaporator

Q28 **INCORRECT** Which condition is maintained for refrigerant in high side of vapour compression system?

A. Above its critical temperature

B. Below its critical temperature ☐

C. Above its freezing temperature

D. Below its freezing temperature ☐

Q29 **INCORRECT** Which factors produce work?

A. Force and distance ☐

B. Time and distance

C. Force and power ☐

D. Force and time

Q30 **CORRECT** What is the purpose of accumulator in a refrigerator?

A. Improves oil circulation

B. Prevents surging of refrigerant

C. Avoids hunting of refrigerant

D. Prevents liquid flood back to compressor ☐

Q31 **CORRECT** What is effect of compression process on refrigerant vapour?

A. Heat the vapour below saturation

B. Cool the vapour above saturation

C. Increase the pressure and temperature ☒

D. Decrease the pressure and temperature

Q32 **CORRECT** Which part connects the piston with small end of connecting rod in a reciprocating compressor?

A. Piston pin ☒

B. Piston bolt

C. Piston rings

D. Piston sleeve

Q33 **INCORRECT** Which winding is made of thin wire in single phase motor?

A. Main

B. Series

C. Starting ☒

D. Running ☐

Q34 **INCORRECT** What is the physical condition of refrigerant in hermetic dome of rotary compressor?

A. LP Liquid

B. HP Liquid

C. HP Vapour ☒

D. LP Vapour ☐

Q35 **INCORRECT** Which is a positive displacement compressor?

A. Centrifugal compressor

B. Scroll compressor ☐

C. Water pump

D. Oil pump ☐

Q36 **INCORRECT** Which instrument is used to identify the terminals of a compressor motor?

A. Ammeter

B. Voltmeter

C. Ohm meter ☐

D. Anemometer ☐

Q37 **INCORRECT** Which motor has the least starting torque?

A. CSIR ☐

B. CSR

C. RSIR ☐

D. PSC

Q38 **CORRECT** Which motor has the least starting torque?

A. CSIR

B. CSR

C. RSIR ☐

D. PSC

Q39 **INCORRECT** Which winding is made of thick wire in single phase induction motor?

A. Starting

B. Running ☐

C. Auxiliary

D. Additional ☐

Q40 **CORRECT** Which type of compressor is used for domestic refrigerator?

A. Semi sealed compressor

B. Centrifugal compressor

C. Hermetic compressor ☐

D. Open type compressor

Q41 **INCORRECT** What is the revolving part of induction motor?

A. Stator

B. Rotor ☐

C. Relay ☐

D. Winding

Q42 **INCORRECT** Which type of rotor is used in 3 Phase induction motor?

A. Squirrel cage rotor ☐

B. Shaded pole rotor

C. Laminated rotor

D. Solid rotor ☐

Q43 **INCORRECT** What is the temperature set in thermostat that stops the compressor motor?

A. Cut in

B. Range

C. Cut out ☒

D. Differential ☐

Q44 **INCORRECT** Which lubricant oil is used in swash plate of R 134a compressor?

A. Servo 20

B. POE ☒

C. SAE - 40

D. Mineral oil ☐

Q45 **INCORRECT** Which valve is closed during compression stroke in reciprocating compressor?

A. Service valve ☐

B. Liquid line valve

C. Discharge valve

D. Suction valve ☒

Q46 **INCORRECT** Which gas is used for pressure testing the compressor dome?

A. Air

B. Oxygen ☐

C. Nitrogen ☒

D. Refrigerant

Q47 **INCORRECT** Which cooling medium is used to cool the motor of a hermetic reciprocating compressor in AC?

A. Discharge vapour

B. Liquid refrigerant

C. Suction vapour ☐

D. Water ☐

Q48 **INCORRECT** What is the method of starting a 3 phase slip ring induction motor?

A. With starting relay

B. Using starting capacitor ☐

C. With running capacitor

D. Adding resistance to rotor winding ☐

Q49 **INCORRECT** Which is used to connect the rotor bars in 3phase squirrel cage induction motor?

A. Screw

B. Welded ☐

C. End ring ☐

D. Nut and bolt

Q50 **INCORRECT** What is the use of a starting capacitor in single phase induction motor?

A. Improve power factor

B. Increase starting torque ☐

C. Decrease starting torque ☐

D. Dis connect starting winding

Q51 **INCORRECT** What is the advantage of a hermetically sealed compressor in refrigerator?

A. Silent operation ☐

B. Easily serviceable ☐

C. Noise is more

D. Cost is high

Q52 **INCORRECT** Which movement of the scroll compresses the low pressure vapour in scroll compressor?

A. Reciprocating

B. Centrifugal ☐

C. Rotating

D. Orbital ☐

Q53 **CORRECT** Which capacitor is disconnected by relay in capacitor start and induction run motor?

A. Starting capacitor ☐

B. Running capacitor

C. Boosting capacitor

D. Power factor correction capacitor

Q54 **INCORRECT** What is the formula to find out the synchronous speed of induction motor?

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

B. $N_s = (120f/P)$ ☐

C. $N_s = (150f/P)$ ☐

D. $N_s = (120P/f)$

Q55 **INCORRECT** How to change the direction of rotation in 3 Phase induction motor?

- A. Change neutral ☐
- B. Change all phase ☐
- C. Change any two phase ☒
- D. Change the winding only ☐

Q56 **INCORRECT** How the difference between the synchronous speed and the actual rotor speed is specified?

- A. Lead ☐
- B. Lag ☐
- C. Slip ☒
- D. Trip ☐

Q57 **INCORRECT** What is the use of capacitor in PSC operated induction motor?

- A. Decrease the starting torque ☐
- B. Cancel the starting torque ☐
- C. Improve the power factor ☒
- D. Decrease the power factor ☐

Q58 **CORRECT** Where the refrigerant vapour is compressed in scroll compressor?

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

Q59 **INCORRECT** What is the use of suction baffle in a scroll compressor?

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

Q60 **CORRECT** Which is disconnected by centrifugal switch in RSIR motor?

- A. Running winding
- B. Common winding
- C. Starting winding ☐
- D. Running capacitor

Q61 **INCORRECT** What is the reason for poor compression?

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

Q62 **INCORRECT** What is the reason for swash plate compressor failure in car AC?

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

Q63 **INCORRECT** Why the top of dome is hot in a scroll compressor?

A. Discharge plenum is at top ☒

B. Suction super heat is less

C. Suction gas not cooled ☐

D. Undercharged system

Q64 **INCORRECT** What is the effect of moist air present inside the hermetic system?

A. Capacity of compressor will increase ☐

B. Less wear and tear in compressor

C. Harmful to the compressor and motor ☒

D. Increase the life of compressor

Q65 **INCORRECT** 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

Q66 **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

Q67 **INCORRECT** Which type of condenser is directly placed on water spray and air?

A. Shell and tube condenser

B. Water cooled condenser

C. Evaporative condenser ☐

D. Air cooled condenser ☐

Q68 **INCORRECT** Which type of condenser is used in window Air conditioner?

A. Natural convection

B. Forced convection ☐

C. Water cooled

D. Evaporative ☐

Q69 **CORRECT** 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

Q70 **INCORRECT** Which is the constant reference for the working of AEV?

A. Oil temperature ☐

B. Suction pressure ☐

C. Volume expansion

D. Discharge pressure

Q71 **INCORRECT** 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

Q72 **INCORRECT** Which evaporator is known as extended surface evaporator?

A. Evaporator tubes ☐

B. Finned evaporator ☐

C. Bare tube evaporator

D. Coiled stake evaporator

Q73 **INCORRECT** Which type of insulation material is used in modern refrigerators?

A. Saw dust

B. Glass wool

C. Thermocole ☐

D. Poly urethane foam ☐

Q74 **INCORRECT** Which colour is used for painting condenser coil?

A. Green ☐

B. Black ☐

C. Blue

D. Red

Q75 **INCORRECT** What is the physical state of refrigerant at the outlet of condenser in vapour compression cycle?

A. High pressure vapour

B. High pressure liquid ☒

C. Low pressure liquid ☐

D. Low pressure vapour

Q76 **INCORRECT** Which type of drier filter is suitable for HFC refrigerants?

A. Molecular sieve type ☒

B. Activated alumina

C. Activated carbon

D. Silica gel ☐

Q77 **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

Q78 **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

Q79 **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

Q80 **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 ☐

Q81 **INCORRECT** Where the dehydrator is installed in a refrigeration system?

- A. Discharge line
- B. Capillary line ☐
- C. Suction line
- D. Liquid line ☒

Q82 **INCORRECT** 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

Q83 **CORRECT** Which gas is used for flushing blocked capillary tube?

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

Q84 **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 ☒

Q85 **CORRECT** 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

Q86 **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

Q87 **INCORRECT** Which application uses the capillary tube expansion device?

A. Domestic RAC units ☐

B. Industrial ice plants

C. Commercial AC plants

D. Hospital IAQ systems ☐

Q88 **INCORRECT** Which expansion valve is suitable for constant load operation?

A. King valve

B. Relief valve ☐

C. Low side float valve

D. Automatic expansion valve ☐

Q89 **INCORRECT** 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

Q90 **INCORRECT** What is the process of accumulation of ice on the surface of evaporator?

A. Frosting ☐

B. Defrosting

C. Evacuating ☐

D. Melting of frost

Q91 **INCORRECT** What is the use of dehydrator?

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

Q92 **INCORRECT** 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 ☐

Q93 **INCORRECT** What is the desiccant used in dehydrator of hydrocarbon charged RAC unit?

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

Q94 **INCORRECT** Which is the constant operating condition of TEV?

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

Q95 **INCORRECT** 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 ☐

Q96 **INCORRECT** 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

Q97 **INCORRECT** Why frost accumulates in window AC evaporator?

A. Over charge of refrigerant

B. Less charge of refrigerant

C. Capillary chocking ☐

D. Air filter blocked ☐

Q98 **INCORRECT** What is the effect of pressure drop at the inlet of the evaporator?

A. Flashing of liquid refrigerant ☐

B. Freezing of liquid refrigerant

C. Freezing of liquid

D. Boiling of oil ☐

Q99 **INCORRECT** 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

Q100 **INCORRECT** Why there is no frosting at the bottom only in plate coil evaporator used with refrigerator?

A. Shortage of refrigerant

B. Oil present in the coil ☐

C. Excess of refrigerant ☐

D. Liquid in the coil

Q101 **INCORRECT** Why the supply air throw is decreased in window AC?

A. Normal RPM of fan motor

B. Clean air filter

C. Refrigerant leaks ☐

D. Frost blocks air circulation ☐

Q102 **CORRECT** What is the remedy for defective heating element in a frost free refrigerator?

A. Repair heater

B. Readjust the heater

C. Replace heater and bimetal thermo ☐

D. Reuse the heater and over load protector

Q103 **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

Q104 **CORRECT** What is the reason for frost accumulation in between fins and tubes of evaporator in frost free refrigerator?

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

Q105 **INCORRECT** What is the reason for no cooling in a frost free refrigerator?

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

Q106 **INCORRECT** Why the capillary tube is preferred as an expansion device?

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

Q107 **CORRECT** Which component defrosts in frost free refrigerator?

A. Bulb

B. Heater ☒

C. Thermostat

D. Capillary tube

Q108 **INCORRECT** Where the thermal bulb is fixed in frost free refrigerator?

A. Liquid line

B. Discharge line ☐

C. Last coil of condenser

D. Last coil of evaporator ☒

Q109 **CORRECT** Which component switches ON/OFF the starting winding in RSIR motor?

A. Thermostat

B. Capacitor

C. Relay ☒

D. OLP

Q110 **CORRECT** What is the cut out temperature of bimetal thermo in frost free refrigerator?

A. 5 Degree Centigrade

B. 10 Degree Centigrade ☒

C. 20 Degree Centigrade

D. 25 Degree Centigrade

Q111 **CORRECT** Which domestic system uses automatic defrost?

A. Frost free refrigerator ☒

B. Conventional refrigerator

C. Split air - conditioner

D. Window air - conditioner

Q112 **INCORRECT** Which sheet is used to check the tightness of door gasket of a refrigerator?

A. Rubber

B. Plastic ☒

C. Copper

D. Zinc ☐

Q113 **INCORRECT** Which is used to clean the condenser fins of a refrigerator?

A. Painting brush ☒

B. Diluted acid ☐

C. Soap solution

D. Fin comb

Q114 **INCORRECT** How the capacity of refrigerator is expressed?

A. Weightage

B. Tonnage

C. Wattage ☐

D. Litres ☒

Q115 **CORRECT** What is the temperature maintained in the refrigerator freezer?

A. 0 Degree Centigrade

B. - 15 Degree Centigrade ☒

C. - 45 Degree Centigrade

D. - 65 Degree Centigrade

Q116 **INCORRECT** 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

Q117 **CORRECT** Which component is used in frost free refrigerator?

A. Plate coil evaporator

B. Liquid receiver

C. Oil separator

D. Timer switch ☒

Q118 **INCORRECT** Which type of evaporator is used in frost free refrigerator?

A. Plate type

B. Wire mesh

C. Finned tube ☒

D. Shell and tube ☐

Q119 **INCORRECT** Which device protects the compressor motor from drawing more current?

A. OLP ☐

B. Relay

C. Thermostat

D. Door switch ☐

Q120 **CORRECT** Which device equalizes the system pressure in frost free refrigerator?

A. Capillary tube ☐

B. Compressor

C. Condenser

D. Evaporator

Q121 **CORRECT** Which method of refrigeration system is adopted in frost free refrigerator?

A. Vapour compression ☐

B. Vapour absorption

C. Water vapour

D. Evacuating

Q122 **INCORRECT** Which electrical control cuts off heating element in frost free refrigerator?

A. Bimetal thermo ☐

B. Thermostat

C. Relay

D. Timer ☐

Q123 **CORRECT** What is the working condition of component during defrost cycle in frost free refrigerator?

A. Evaporator fan motor is running

B. Compressor is not running ☒

C. Thermostat cuts off

D. Relay activated

Q124 **INCORRECT** Which component actuates the defrost cycle in frost free refrigerator?

A. Bimetal thermo ☐

B. Defrost heater

C. Timer ☒

D. Relay

Q125 **INCORRECT** Which component is turned off while defrost heater is energised?

A. Cabinet bulb

B. Evaporator fan ☒

C. Thermostat sensor

D. Over load protector ☐

Q126 **INCORRECT** Which movement of plunger energises the start winding in relay operation?

A. Vertically up ☒

B. Bottom side ☐

C. Vertically down

D. Horizontally left

Q127 **CORRECT** Which is connected in series with start capacitor in motor circuit?

A. Starting winding ☒

B. Common terminal

C. Running Terminal

D. Running winding

Q128 **INCORRECT** What is the advantage of sealed system compared to open type system?

A. Mechanical efficiency is greater ☐

B. Cylinder lubrication is easier

C. Any refrigerant can be used

D. No shaft seal is required ☒

Q129 **INCORRECT** Why frost free model refrigerator takes less freezing time of products?

A. Forced air circulation ☒

B. Natural air circulation

C. Low temperature setting

D. High temperature setting ☐

Q130 **INCORRECT** What is the reason if refrigerator runs normally but no cooling effect?

A. Leakage of refrigerant ☒

B. Condenser block

C. Filter block

D. Over charge ☐

Q131 **CORRECT** What is the effect of bimetal thermo sticks in ON position in frost free refrigerator?

A. Accumulation of frost

B. More cooling

C. Poor cooling

D. No cooling ☒

Q132 **INCORRECT** What is the effect of contamination in refrigeration system?

A. High heating

B. Poor cooling ☒

C. Low pressure ☐

D. Low humidity

Q133 **INCORRECT** What is the cause for refrigerator door gap at closing position?

A. Uneven floor level ☒

B. Either side gap more

C. Either side gap less

D. Uneven condenser level ☐

Q134 **INCORRECT** Which component is replaced to prevent air entering the refrigerator cabinet?

A. Thermostat

B. Door gasket ☒

C. Door paint ☐

D. Door hinges

Q135 **INCORRECT** What is the result if discharge reed is broken in open type compressor?

A. Poor pumping

B. More pumping

C. Oil pumping ☐

D. No pumping ☐