

# Trinity ITI Udyavara

## ITI Quiz - 02-Feb-2026 08:56 AM

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Attempt No.	#1	Completion Time	09:08 AM
Rank	#1	Total Questions	60

17 SCORE

60 MAX MARKS

17 CORRECT

43 INCORRECT

### Answer Review

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

A.  $1.033 \text{ kg/cm}^2$

B.  $1.3 \text{ Kg/cm}^2$

C.  $1.5 \text{ Kg/cm}^2$

D.  $1.6 \text{ Kg/cm}^2$

Q2 **CORRECT** 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 **CORRECT** 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 **CORRECT** 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 **CORRECT** 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 **CORRECT** 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 **CORRECT** 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 **INCORRECT** 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 **CORRECT** 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 **CORRECT** Which factors produce work?

A. Force and distance

B. Time and distance

C. Force and power

D. Force and time

Q30 **INCORRECT** 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 **INCORRECT** 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 **INCORRECT** Which component defrosts in frost free refrigerator?

A. Bulb

B. Heater

C. Thermostat

D. Capillary tube

Q33 **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

Q34 **INCORRECT** Which component switches ON/OFF the starting winding in RSIR motor?

A. Thermostat

B. Capacitor

C. Relay

D. OLP

Q35 **INCORRECT** 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

Q36 **INCORRECT** Which domestic system uses automatic defrost?

A. Frost free refrigerator

B. Conventional refrigerator

C. Split air - conditioner

D. Window air - conditioner

Q37 **INCORRECT** Which sheet is used to check the tightness of door gasket of a refrigerator?

A. Rubber

B. Plastic

C. Copper

D. Zinc

Q38 **INCORRECT** Which is used to clean the condenser fins of a refrigerator?

A. Painting brush

B. Diluted acid

C. Soap solution

D. Fin comb

Q39 **INCORRECT** How the capacity of refrigerator is expressed?

A. Weightage

B. Tonnage

C. Wattage

D. Litres

Q40 **INCORRECT** 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

Q41 **CORRECT** 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

Q42 **INCORRECT** Which component is used in frost free refrigerator?

A. Plate coil evaporator

B. Liquid receiver

C. Oil separator

D. Timer switch

Q43 **INCORRECT** Which type of evaporator is used in frost free refrigerator?

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

Q44 **CORRECT** Which device protects the compressor motor from drawing more current?

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

Q45 **INCORRECT** Which device equalizes the system pressure in frost free refrigerator?

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

Q46 **CORRECT** Which method of refrigeration system is adopted in frost free refrigerator?

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

Q47 **INCORRECT** Which electrical control cuts off heating element in frost free refrigerator?

A. Bimetal thermo

B. Thermostat

C. Relay

D. Timer

Q48 **INCORRECT** 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

Q49 **INCORRECT** Which component actuates the defrost cycle in frost free refrigerator?

A. Bimetal thermo

B. Defrost heater

C. Timer

D. Relay

Q50 **INCORRECT** Which component is turned off while defrost heater is energised?

A. Cabinet bulb

B. Evaporator fan

C. Thermostat sensor

D. Over load protector

Q51 **INCORRECT** Which movement of plunger energises the start winding in relay operation?

A. Vertically up

B. Bottom side

C. Vertically down

D. Horizontally left

Q52 **CORRECT** Which is connected in series with start capacitor in motor circuit?

A. Starting winding

B. Common terminal

C. Running Terminal

D. Running winding

Q53 **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

Q54 **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

Q55 **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

Q56 **INCORRECT** 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

Q57 **CORRECT** What is the effect of contamination in refrigeration system?

A. High heating

B. Poor cooling

C. Low pressure

D. Low humidity

Q58 **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

Q59 **CORRECT** Which component is replaced to prevent air entering the refrigerator cabinet?

A. Thermostat

B. Door gasket

C. Door paint

D. Door hinges

Q60 **CORRECT** 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