

# Trinity ITI Udyavara

## ITI Quiz - 02-Mar-2026 12:56 PM

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Attempt No.	#1	Completion Time	01:38 PM
Rank	#7	Total Questions	25

18 SCORE

25 MAX MARKS

18 CORRECT

7 INCORRECT

### Answer Review

**Q1 CORRECT** 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** **CORRECT** 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** **CORRECT** 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** **CORRECT** Which instrument is used for measuring heat?

**A.** Thermometer

**B.** Anemometer

**C.** Calorimeter

**D.** Ammeter

**Q10** **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

Q11 **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

Q12 **CORRECT** How the level of heat in a substance is expressed?

A. Micron

B. Pressure

C. Humidity

D. Temperature

Q13 **CORRECT** What is the energy of a body by virtue of its position?

A. Wind energy

B. Kinetic energy

C. Potential energy

D. Electrical energy

Q14 **CORRECT** What is the physical state of ammonia at condenser inlet in vapour absorption system?

A. Solid

B. Liquid

C. Vapour

D. Semi solid

Q15 **CORRECT** What is the equivalent absolute scale for centigrade?

A. Kelvin

B. Celsius

C. Rankine

D. Fahrenheit

Q16 **CORRECT** Which method is used to connect the swaged joint in copper tubes?

A. TIG welding

B. Silver brazing

C. Lead soldering

D. Fusion welding

Q17 **CORRECT** Which component controls the thermostat and defrost heater in frost free refrigerator?

A. Thermoheater

B. Defrost timer

C. Relay

D. OLP

Q18 **CORRECT** What is the advantage of using flux in brazing?

A. Over heating

B. Melting tubes

C. Prevent Oxidation

D. Chemical reaction

Q19 **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

Q20 **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

Q21 **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

Q22 **CORRECT** 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

Q23 **CORRECT** 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

Q24 **INCORRECT** Which factors produce work?

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

Q25 **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