

SPP ITI Nithikal

ITI Quiz - 02-Feb-2026 11:51 AM

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Student Name	Poornesh ms	Access Code	7631
Attempt No.	#1	Completion Time	11:57 AM
Rank	#6	Total Questions	25

4 SCORE

25 MAX MARKS

4 CORRECT

21 INCORRECT

Answer Review

Q1 **CORRECT** 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 **CORRECT** How the level of heat in a substance is expressed?

A. Micron

B. Pressure

C. Humidity

D. Temperature ☒

Q14 **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

Q15 **CORRECT** 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 thermodynamic process the temperature is kept constant?

A. Isobaric process

B. Isothermal process ☒

C. Constant volume process ☐

D. Constant pressure process

Q17 **INCORRECT** What is the equivalent absolute scale for centigrade?

A. Kelvin ☒

B. Celsius ☐

C. Rankine

D. Fahrenheit

Q18 **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

Q19 **INCORRECT** What is the advantage of using flux in brazing?

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

Q20 **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 ☒

Q21 **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

Q22 **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 ☐

Q23 **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

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