

ITI Quiz - 17-Apr-2026

09:36 AM

Q. ID: ITISKILL127150

April 2026

Question Paper

Duration: 30 Mins

Total Marks: 25

ID: ITISKILL127150

Student Name: _____ Roll No: _____

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

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

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

2. Which instrument is used to measure atmospheric pressure?

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

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

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

3. Which factors produce work?

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

11. 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

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

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

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

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

5. Which refrigeration system works on directly by the heat energy?

- A) Vapour absorption refrigeration
- B) Mechanical refrigeration
- C) Vapour compression refrigeration
- D) Jet refrigeration

13. Which instrument is used for measuring heat?

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

6. What is the equivalent absolute scale for centigrade?

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

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

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

7. What is the rate of doing work?

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

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

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

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

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

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

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

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

- A) 750 mm
- B) 740 mm

C) 760 mm

D) 730 mm

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

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

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

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

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

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

21. 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) 140 p.s.i.a
C) 130 p.s.i.a D) 160 p.s.i.a

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

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

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

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

24. What is the atmospheric pressure at sea level?

- A) 1.5 Kg/cm^2 B) 1.033 kg/cm^2
C) 1.6 Kg/cm^2 D) 1.3 Kg/cm^2

25. What is the capacity of doing work?

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