

ITI Quiz - 19-May-2026

07:15 PM

Q. ID: ITISKILL3915GM

May 2026

Trinity ITI College

Answer Key

Duration: 60 Mins

Total Marks: 31

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

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

Answer: A) K.Cal (Kilo Calorie)

2. 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 moves down from the point of cylinder
D) The piston starts in cylinder at bottom

Answer: C) The piston moves down from the point of cylinder

3. Which instrument is used to measure atmospheric pressure?

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

Answer: C) Barometer

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

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

Answer: A) Temperature

5. What is the equivalent absolute scale for centigrade?

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

Answer: A) Kelvin

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

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

Answer: A) Boyles law

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

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

Answer: D) Generator and absorber

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

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

Answer: A) Defrost timer

9. What is bottom dead centre in reciprocating compressor cylinder?

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

Answer: A) The piston moves up from the point of cylinder

10. What is the barometer reading at sea level in Hg column?

- A) 750 mm B) 760 mm
C) 730 mm D) 740 mm

Answer: B) 760 mm

11. 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) 160 p.s.i.a
C) 140 p.s.i.a D) 150 p.s.i.a

Answer: D) 150 p.s.i.a

12. What is the absolute zero temperature in degree centigrade?

- A) 212 Degree Centigrade B) -273 Degree Centigrade
C) 0 Degree Centigrade D) 100 Degree Centigrade

Answer: B) -273 Degree Centigrade

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

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

Answer: A) Below its critical temperature

14. Which instrument is used for measuring heat?

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

Answer: D) Calorimeter

15. What is the boiling point of pure water in centigrade scale?

- A) 100 Degree Centigrade B) 0 Degree Centigrade
C) 212 Degree Centigrade D) 32 Degree Centigrade

Answer: A) 100 Degree Centigrade

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

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

Answer: B) Vapour absorption refrigeration

17. What is the capacity of doing work?

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

Answer: C) Energy

18. Which compressor dome handles high pressure and high temperature vapour?

- A) Hermetic rotary compressor
- B) Semi hermetic reciprocating compressor
- C) Hermetic reciprocating compressor
- D) Open type reciprocating compressor

Answer: A) Hermetic rotary compressor

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

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

Answer: A) Potential energy

20. What is effect of compression process on refrigerant vapour?

- A) Increase the pressure and temperature
- B) Cool the vapour above saturation
- C) Decrease the pressure and temperature
- D) Heat the vapour below saturation

Answer: A) Increase the pressure and temperature

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

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

Answer: A) 1120 Degree F

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

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

Answer: C) Silver brazing

23. What is the atmospheric pressure at sea level?

- A) 1.5 Kg/cm²
- B) 1.6 Kg/cm²
- C) 1.3 Kg/cm²
- D) 1.033 kg/cm²

Answer: D) 1.033 kg/cm²

24. Which factors produce work?

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

Answer: B) Force and distance

25. Which components maintain the pressure difference in RAC system?

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

Answer: D) Compressor and expansion device

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

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

Answer: B) Condenser and evaporator

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

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

Answer: C) Prevent Oxidation

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

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

Answer: B) Vapour

29. What is the rate of doing work?

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

Answer: C) Power

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

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

Answer: C) Prevents liquid flood back to compressor

31. Which thermodynamic process the temperature is kept constant?

- A) Constant pressure process
- B) Constant volume process
- C) Isothermal process
- D) Isobaric process

Answer: C) Isothermal process