

ITI Quiz - 17-Apr-2026

09:36 AM

Q. ID: ITISKILL127150

April 2026

Answer Key

Duration: 30 Mins

Total Marks: 25

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1. What is the equivalent absolute scale for centigrade?

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

Answer: C) Kelvin

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

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

Answer: B) Hermetic rotary compressor

3. 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)

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

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

Answer: D) Potential energy

5. What is the atmospheric pressure at sea level?

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

Answer: C) 1.033 kg/cm²

6. Which factors produce work?

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

Answer: B) Force and distance

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

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

Answer: D) Defrost timer

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

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

- 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

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

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

Answer: C) 1120 Degree F

10. 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) 150 p.s.i.a
- D) 140 p.s.i.a

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

11. 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

Answer: A) Boyles law

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

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

Answer: D) Vapour absorption refrigeration

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

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

Answer: B) Temperature

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

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

Answer: D) Below its critical temperature

15. Which instrument is used to measure atmospheric pressure?

- A) Manometer
- B) Barometer

C) Hydrometer

D) Hygrometer

Answer: B) Barometer

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

A) Condenser and evaporator

B) Evaporator and suction line

C) Compressor and evaporator

D) Compressor and condenser

Answer: A) Condenser and evaporator

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

A) Prevents liquid flood back to compressor

B) Improves oil circulation

C) Prevents surging of refrigerant

D) Avoids hunting of refrigerant

Answer: A) Prevents liquid flood back to compressor

18. Which instrument is used for measuring heat?

A) Thermometer

B) Anemometer

C) Ammeter

D) Calorimeter

Answer: D) Calorimeter

19. What is the rate of doing work?

A) Force

B) Velocity

C) Power

D) Duty

Answer: C) Power

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

A) Generator and absorber

B) Generator and condenser

C) Generator and separator

D) Generator and evaporator

Answer: A) Generator and absorber

21. What is the capacity of doing work?

A) Force

B) Power

C) Work

D) Energy

Answer: D) Energy

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

A) Fusion welding

B) Lead soldering

C) TIG welding

D) Silver brazing

Answer: D) Silver brazing

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

A) Semi solid

B) Solid

C) Vapour

D) Liquid

Answer: C) Vapour

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

A) Over heating

B) Prevent Oxidation

C) Chemical reaction

D) Melting tubes

Answer: B) Prevent Oxidation

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

A) 760 mm

B) 730 mm

C) 740 mm

D) 750 mm

Answer: A) 760 mm