

ITI Quiz - Exam for the month of December 2025

December 2025

Govt ITI Perdur

Answer Key

Duration: 60 Mins

Total Marks: 30

Q.ID: ITISKILL8817LO

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

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

Answer: A) Prevent Oxidation

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

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

Answer: C) Compressor and expansion device

3. 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) 160 p.s.i.a
- D) 130 p.s.i.a

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

4. Which instrument is used to measure atmospheric pressure?

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

Answer: D) Barometer

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

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

Answer: D) Potential energy

6. Which factors produce work?

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

Answer: C) Force and distance

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

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

Answer: A) 760 mm

8. What is the capacity of doing work?

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

Answer: D) Energy

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

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

Answer: D) 100 Degree Centigrade

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

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

Answer: B) -273 Degree Centigrade

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

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

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

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

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

Answer: A) Boyles law

13. What is the equivalent absolute scale for centigrade?

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

Answer: B) Kelvin

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

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

Answer: C) Vapour absorption refrigeration

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

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

Answer: A) Silver brazing

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

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

Answer: C) Vapour

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

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

Answer: C) Temperature

18. 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

Answer: C) Prevents liquid flood back to compressor

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

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

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

20. Which instrument is used for measuring heat?

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

Answer: C) Calorimeter

21. 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

22. What is the rate of doing work?

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

Answer: C) Power

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

- A) Open type reciprocating compressor
- B) Hermetic rotary compressor

- C) Semi hermetic reciprocating compressor
- D) Hermetic reciprocating compressor

Answer: B) Hermetic rotary compressor

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

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

Answer: C) Below its critical temperature

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

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

Answer: B) Defrost timer

26. What is the atmospheric pressure at sea level?

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

Answer: C) 1.033 kg/cm²

27. Which thermodynamic process the temperature is kept constant?

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

Answer: D) Isothermal process

28. 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

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

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

Answer: B) K.Cal (Kilo Calorie)

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

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

Answer: B) Condenser and evaporator