

Duration: 60 Mins**Total Marks: 31****Q.ID: ITISKILL1523YS**

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 law is related to the constant PV at constant T?

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

Answer: B) Boyles law

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

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

Answer: D) Potential energy

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

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

Answer: A) Below its critical temperature

5. Which instrument is used to measure atmospheric pressure?

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

Answer: A) Barometer

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

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

Answer: D) K.Cal (Kilo Calorie)

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

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

Answer: D) Silver brazing

8. What is the rate of doing work?

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

Answer: B) Power

9. What is the equivalent absolute scale for centigrade?

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

Answer: A) Kelvin

10. Which factors produce work?

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

Answer: A) Force and distance

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

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

Answer: B) 100 Degree Centigrade

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

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

Answer: C) Vapour

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

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

Answer: D) Compressor and expansion device

14. Which thermodynamic process the temperature is kept constant?

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

Answer: D) Isothermal process

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

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

Answer: C) Temperature

16. What is the absolute pressure of gas in a cylinder, if gauge reads 135.3 p.s.i?

- A) 140 p.s.i.a B) 130 p.s.i.a

C) 160 p.s.i.a

D) 150 p.s.i.a

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

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

A) Generator and separator B) Generator and evaporator

C) Generator and absorber D) Generator and condenser

Answer: C) Generator and absorber

18. 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

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

A) Improves oil circulation B) Prevents surging of refrigerant

C) Avoids hunting of refrigerant D) Prevents liquid flood back to compressor

Answer: D) Prevents liquid flood back to compressor

20. What is the capacity of doing work?

A) Force B) Energy

C) Work D) Power

Answer: B) Energy

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

A) Cool the vapour above saturation B) Increase the pressure and temperature

C) Decrease the pressure and temperature D) Heat the vapour below saturation

Answer: B) Increase the pressure and temperature

22. 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

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

A) Evaporator and suction line B) Compressor and condenser

C) Condenser and evaporator D) Compressor and evaporator

Answer: C) Condenser and evaporator

24. Which instrument is used for measuring heat?

A) Thermometer

B) Anemometer

C) Calorimeter

D) Ammeter

Answer: C) Calorimeter

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

A) 100 Degree Centigrade B) 0 Degree Centigrade

C) -273 Degree Centigrade D) 212 Degree Centigrade

Answer: C) -273 Degree Centigrade

26. 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

Answer: A) 1120 Degree F

27. What is the atmospheric pressure at sea level?

A) 1.3 Kg/cm² B) 1.033 kg/cm²

C) 1.5 Kg/cm² D) 1.6 Kg/cm²

Answer: B) 1.033 kg/cm²

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

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

C) The piston stops in cylinder at bottom D) The piston moves down from the point of cylinder

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

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

A) 750 mm

B) 730 mm

C) 740 mm

D) 760 mm

Answer: D) 760 mm

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

A) The piston moves down from the point of cylinder B) The piston starts in cylinder at top

C) The piston moves up from the point of cylinder D) The piston stops in cylinder at top

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

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

A) Defrost timer

B) Relay

C) Thermoheater

D) OLP

Answer: A) Defrost timer