

Duration: 30 Mins

Total Marks: 25

Q.ID: ITISKILL9476YB

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

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

Answer: C) Temperature

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

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

Answer: D) 1120 Degree F

3. 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

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

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

Answer: C) Condenser and evaporator

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

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

Answer: B) Potential energy

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

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

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

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

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

Answer: B) Vapour

8. Which factors produce work?

- A) Time and distance B) Force and time

C) Force and distance D) Force and power

Answer: C) Force and distance

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

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

Answer: D) Below its critical temperature

10. What is the rate of doing work?

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

Answer: C) Power

11. Which instrument is used to measure atmospheric pressure?

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

Answer: D) Barometer

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

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

Answer: D) Hermetic rotary compressor

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

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

Answer: B) Increase the pressure and temperature

14. What is the atmospheric pressure at sea level?

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

Answer: B) 1.033 kg/cm²

15. What is the equivalent absolute scale for centigrade?

- A) Rankine
- C) Fahrenheit

- B) Celsius
- D) Kelvin

Answer: D) Kelvin

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

- A) 130 p.s.i.a
- C) 140 p.s.i.a
- B) 150 p.s.i.a
- D) 160 p.s.i.a

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

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

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

Answer: B) K.Cal (Kilo Calorie)

18. Which instrument is used for measuring heat?

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

Answer: A) Calorimeter

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

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

Answer: B) Vapour absorption refrigeration

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

- A) TIG welding
- B) Silver brazing

- C) Lead soldering

- D) Fusion welding

Answer: B) Silver brazing

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

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

Answer: A) -273 Degree Centigrade

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

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

Answer: A) Generator and absorber

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

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

Answer: A) Prevent Oxidation

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

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

Answer: A) 100 Degree Centigrade

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

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

Answer: C) Defrost timer