

Duration: 50 Mins

Total Marks: 25

Q.ID: ITISKILL2457NR

1. Which thermodynamic process the temperature is kept constant?

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

Answer: C) Isothermal process

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

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

Answer: C) Prevent Oxidation

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

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

Answer: A) Increase the pressure and temperature

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

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

Answer: C) Generator and absorber

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

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

Answer: C) Hermetic rotary compressor

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

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

Answer: D) -273 Degree Centigrade

7. What is the capacity of doing work?

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

Answer: B) Energy

8. Which components are connected by metering device in

vapour compression cycle?

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

Answer: B) Condenser and evaporator

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

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

Answer: A) 100 Degree Centigrade

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

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

Answer: D) Temperature

11. What is the equivalent absolute scale for centigrade?

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

Answer: D) Kelvin

12. Which instrument is used for measuring heat?

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

Answer: A) Calorimeter

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

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

Answer: D) 760 mm

14. What is the atmospheric pressure at sea level?

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

Answer: B) 1.033 kg/cm²

15. Which instrument is used to measure atmospheric pressure?

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

Answer: A) Barometer

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

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

Answer: A) Below its critical temperature

17. What is the rate of doing work?

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

Answer: D) Power

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

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

Answer: D) Vapour absorption refrigeration

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

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

Answer: A) Potential energy

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

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

Answer: C) Vapour

21. 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 moves down from the point of cylinder
- D) The piston stops in cylinder at top

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

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

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

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

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

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

Answer: A) K.Cal (Kilo Calorie)

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

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

Answer: B) 1120 Degree F

25. Which factors produce work?

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

Answer: D) Force and distance