

Duration: 50 Mins

Total Marks: 25

Q.ID: ITISKILL9927Q3

1. 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

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

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

Answer: D) Generator and absorber

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

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

Answer: A) Vapour absorption refrigeration

4. Which instrument is used for measuring heat?

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

Answer: C) Calorimeter

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

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

Answer: C) K.Cal (Kilo Calorie)

6. 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

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

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

8. What is the rate of doing work?

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

Answer: B) Power

9. What is the atmospheric pressure at sea level?

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

Answer: A) 1.033 kg/cm²

10. What is the equivalent absolute scale for centigrade?

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

Answer: A) Kelvin

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

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

Answer: C) Potential energy

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

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

Answer: A) Temperature

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

- A) The piston starts 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 stops in cylinder at bottom

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

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

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

Answer: B) 760 mm

15. What is the capacity of doing work?

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

Answer: B) Energy

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

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

Answer: C) -273 Degree Centigrade

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

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

Answer: C) Increase the pressure and temperature

18. Which instrument is used to measure atmospheric pressure?

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

Answer: D) Barometer

19. Which thermodynamic process the temperature is kept constant?

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

Answer: C) Isothermal process

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

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

Answer: D) Hermetic rotary compressor

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

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

Answer: C) Vapour

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

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

Answer: D) Condenser and evaporator

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

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

Answer: D) Prevent Oxidation

24. Which factors produce work?

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

Answer: A) Force and distance

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

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

Answer: C) 100 Degree Centigrade