

Duration: 50 Mins

Total Marks: 25

Q.ID: ITISKILL9927Q3

1. Which factors produce work?

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

Answer: C) Force and distance

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

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

Answer: C) 100 Degree Centigrade

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

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

Answer: D) 760 mm

4. 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

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

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

Answer: B) K.Cal (Kilo Calorie)

6. What is the rate of doing work?

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

Answer: C) Power

7. Which thermodynamic process the temperature is kept constant?

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

Answer: B) Isothermal process

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

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

Answer: B) Prevent Oxidation

9. 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

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

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

Answer: C) 1120 Degree F

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

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

Answer: C) -273 Degree Centigrade

12. Which instrument is used to measure atmospheric pressure?

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

Answer: D) Barometer

13. 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

14. What is the atmospheric pressure at sea level?

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

Answer: D) 1.033 kg/cm²

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

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

Answer: C) Temperature

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

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

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

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

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

Answer: C) Hermetic rotary compressor

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

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

Answer: D) Below its critical temperature

19. What is the capacity of doing work?

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

Answer: A) Energy

20. Which instrument is used for measuring heat?

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

Answer: C) Calorimeter

21. 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

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

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

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

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

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

Answer: B) Generator and absorber

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

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

Answer: C) Increase the pressure and temperature

25. What is the equivalent absolute scale for centigrade?

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

Answer: D) Kelvin