

Duration: 30 Mins

Total Marks: 25

ID: ITISKILL9476YB

Student Name: _____ Roll No: _____

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

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

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

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

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

10. 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

3. Which factors produce work?

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

11. What is the rate of doing work?

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

4. What is the equivalent absolute scale for centigrade?

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

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

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

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

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

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

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

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

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

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

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

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

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

15. Which instrument is used for measuring heat?

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

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

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

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

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

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

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

- A) 750 mm
- C) 730 mm

- B) 740 mm
- D) 760 mm

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

- A) 1200 Degree F
- C) 1300 Degree F

- B) 1120 Degree F
- D) 1250 Degree F

19. What is the atmospheric pressure at sea level?

- A) 1.3 Kg/cm²
- C) 1.5 Kg/cm²

- B) 1.033 kg/cm²
- D) 1.6 Kg/cm²

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

- A) Over heating
- C) Melting tubes

- B) Prevent Oxidation
- D) Chemical reaction

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

- A) Humidity
- C) Temperature

- B) Micron
- D) Pressure

22. Which refrigeration system works on directly by the heat

energy?

- A) Jet refrigeration
- C) Vapour compression refrigeration

- B) Mechanical refrigeration
- D) Vapour absorption refrigeration

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

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

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

24. Which instrument is used to measure atmospheric pressure?

- A) Hygrometer
- C) Manometer

- B) Hydrometer
- D) Barometer

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

- A) Condenser and evaporator
- C) Compressor and evaporator

- B) Compressor and condenser
- D) Evaporator and suction line