

Student Name: _____	Roll No: _____
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1. 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
2. Which instrument is used for measuring heat?
 A) Ammeter B) Calorimeter
 C) Anemometer D) Thermometer
3. Which component controls the thermostat and defrost heater in frost free refrigerator?
 A) OLP B) Relay
 C) Thermoheater D) Defrost timer
4. What is the absolute zero temperature in degree centigrade?
 A) 212 Degree Centigrade B) 100 Degree Centigrade
 C) 0 Degree Centigrade D) -273 Degree Centigrade
5. How the level of heat in a substance is expressed?
 A) Pressure B) Temperature
 C) Humidity D) Micron
6. Which refrigeration system works on directly by the heat energy?
 A) Mechanical refrigeration B) Jet refrigeration
 C) Vapour compression refrigeration D) Vapour absorption refrigeration
7. What is the atmospheric pressure at sea level?
 A) 1.033 kg/cm² B) 1.5 Kg/cm²
 C) 1.6 Kg/cm² D) 1.3 Kg/cm²
8. Which components are connected by metering device in vapour compression cycle?
 A) Compressor and evaporator B) Evaporator and suction line
 C) Condenser and evaporator D) Compressor and condenser
9. What is the equivalent absolute scale for centigrade?
 A) Fahrenheit B) Rankine
- C) Celsius D) Kelvin
10. Which condition is maintained for refrigerant in high side of vapour compression system?
 A) Above its freezing temperature B) Below its critical temperature
 C) Above its critical temperature D) Below its freezing temperature
11. Which thermodynamic process the temperature is kept constant?
 A) Isobaric process B) Isothermal process
 C) Constant volume process D) Constant pressure process
12. 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) 140 p.s.i.a D) 130 p.s.i.a
13. What is the purpose of accumulator in a refrigerator?
 A) Improves oil circulation B) Prevents liquid flood back to compressor
 C) Prevents surging of refrigerant D) Avoids hunting of refrigerant
14. What is the energy of a body by virtue of its position?
 A) Wind energy B) Potential energy
 C) Kinetic energy D) Electrical energy
15. Which factors produce work?
 A) Force and time B) Time and distance
 C) Force and distance D) Force and power
16. What is the rate of doing work?
 A) Duty B) Power
 C) Velocity D) Force
17. What is the barometer reading at sea level in Hg column?
 A) 730 mm B) 760 mm
 C) 740 mm D) 750 mm
18. Which compressor dome handles high pressure and high

temperature vapour?

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

19. Which components maintain the pressure difference in RAC system?

- A) Evaporator and motor
- B) Receiver and condenser
- C) Condenser and filter
- D) Compressor and expansion device

20. What is the capacity of doing work?

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

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

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

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

23. 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)

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

- A) The piston starts in cylinder at bottom
- B) The piston stops in cylinder at bottom

C) The piston moves up from the point of cylinder

D) The piston moves down from the point of cylinder

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

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

26. 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

27. Which instrument is used to measure atmospheric pressure?

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

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

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

29. Which law is related to the constant PV at constant T?

- A) Renaults law
- B) Charles s law
- C) Boyles law
- D) Pascal s law

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

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

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

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