

Student Name: _____ Roll No: _____

1. Which is used to clean the condenser fins of a refrigerator?
 - A) Diluted acid
 - B) Painting brush
 - C) Soap solution
 - D) Fin comb

2. What is the energy of a body by virtue of its position?
 - A) Kinetic energy
 - B) Potential energy
 - C) Electrical energy
 - D) Wind energy

3. What is the atmospheric pressure at sea level?
 - A) 1.6 Kg/cm²
 - B) 1.033 kg/cm²
 - C) 1.3 Kg/cm²
 - D) 1.5 Kg/cm²

4. Where the manually defrosted water is stored in refrigerator?
 - A) Top of the freezer
 - B) Bottom of the condenser
 - C) Tray on top of the compressor
 - D) Bottom of the evaporator

5. What is the melting temperature of silver brazing rod?
 - A) 1120 Degree F
 - B) 1250 Degree F
 - C) 1200 Degree F
 - D) 1300 Degree F

6. Which component is turned off while defrost heater is energised?
 - A) Thermostat sensor
 - B) Over load protector
 - C) Cabinet bulb
 - D) Evaporator fan

7. What is top dead centre in reciprocating compressor cylinder?
 - A) The piston starts 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 stops in cylinder at bottom

8. What is the working condition of component during defrost cycle in frost free refrigerator?
 - A) Relay activated
 - B) Evaporator fan motor is running
 - C) Thermostat cuts off
 - D) Compressor is not running

9. What is the purpose of accumulator in a refrigerator?
 - A) Prevents surging of refrigerant
 - B) Prevents liquid flood back to compressor
 - C) Improves oil circulation
 - D) Avoids hunting of refrigerant

10. What is the absolute zero temperature in degree centigrade?
 - A) 212 Degree Centigrade
 - B) -273 Degree Centigrade
 - C) 100 Degree Centigrade
 - D) 0 Degree Centigrade

11. Which thermodynamic process the temperature is kept constant?
 - A) Constant volume process
 - B) Isobaric process
 - C) Isothermal process
 - D) Constant pressure process

12. Which compressor dome handles high pressure and high temperature vapour?
 - A) Hermetic rotary compressor
 - B) Hermetic reciprocating compressor
 - C) Semi hermetic reciprocating compressor
 - D) Open type reciprocating compressor

13. What is the barometer reading at sea level in Hg column?
 - A) 730 mm
 - B) 740 mm
 - C) 750 mm
 - D) 760 mm

14. What is the cause for refrigerator door gap at closing position?
 - A) Either side gap less
 - B) Uneven condenser level
 - C) Either side gap more
 - D) Uneven floor level

15. What is the advantage of using flux in brazing?
 - A) Over heating
 - B) Melting tubes
 - C) Chemical reaction
 - D) Prevent Oxidation

16. Which device protects the compressor motor from drawing more current?
 - A) OLP
 - B) Thermostat
 - C) Relay
 - D) Door switch

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

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

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

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

19. What is the equivalent absolute scale for centigrade?

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

20. Which sheet is used to check the tightness of door gasket of a refrigerator?

- A) Plastic
- B) Copper
- C) Zinc
- D) Rubber

21. Which component is replaced to prevent air entering the refrigerator cabinet?

- A) Door hinges
- B) Door gasket
- C) Door paint
- D) Thermostat

22. What is the rate of doing work?

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

23. What is the capacity of doing work?

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

24. Which component actuates the defrost cycle in frost free refrigerator?

- A) Timer
- B) Relay
- C) Bimetal thermo
- D) Defrost heater

25. Which component defrosts in frost free refrigerator?

- A) Bulb
- B) Thermostat
- C) Capillary tube
- D) Heater

26. What is the effect of contamination in refrigeration system?

- A) Low humidity
- B) Poor cooling
- C) Low pressure
- D) High heating

27. Which factors produce work?

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

28. Which instrument is used for measuring heat?

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

29. Which domestic system uses automatic defrost?

- A) Window air - conditioner
- B) Split air - conditioner
- C) Conventional refrigerator
- D) Frost free refrigerator

30. Which device equalizes the system pressure in frost free refrigerator?

- A) Evaporator
- B) Capillary tube
- C) Compressor
- D) Condenser

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

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

32. Which method of refrigeration system is adopted in frost free refrigerator?

- A) Water vapour
- B) Evacuating
- C) Vapour absorption
- D) Vapour compression

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

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

34. Where the thermal bulb is fixed in frost free refrigerator?

- A) Discharge line
- B) Last coil of condenser
- C) Liquid line
- D) Last coil of evaporator

35. Which component is used in frost free refrigerator?

- A) Plate coil evaporator
- B) Oil separator
- C) Timer switch
- D) Liquid receiver

36. Which movement of plunger energises the start winding in relay operation?

- A) Horizontally left
- B) Vertically down
- C) Vertically up
- D) Bottom side

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

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

38. What is the cut out temperature of bimetal thermo in frost free refrigerator?

- A) 10 Degree Centigrade
- B) 25 Degree Centigrade
- C) 5 Degree Centigrade
- D) 20 Degree Centigrade

39. 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

40. What is the reason if refrigerator runs normally but no cooling effect?

- A) Over charge
- B) Filter block
- C) Leakage of refrigerant
- D) Condenser block

41. Which electrical control cuts off heating element in frost free refrigerator?

- A) Relay
- B) Bimetal thermo
- C) Thermostat
- D) Timer

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

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

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

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

44. Which is connected in series with start capacitor in motor

circuit?

- A) Running winding
- B) Common terminal
- C) Starting winding
- D) Running Terminal

45. Why frost free model refrigerator takes less freezing time of products?

- A) Low temperature setting
- B) High temperature setting
- C) Natural air circulation
- D) Forced air circulation

46. What is the temperature maintained in the refrigerator freezer?

- A) - 15 Degree Centigrade
- B) - 65 Degree Centigrade
- C) 0 Degree Centigrade
- D) - 45 Degree Centigrade

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

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

48. How the capacity of refrigerator is expressed?

- A) Litres
- B) Wattage
- C) Weightage
- D) Tonnage

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

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

50. What is the result if discharge reed is broken in open type compressor?

- A) No pumping
- B) Poor pumping
- C) Oil pumping
- D) More pumping