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Trinity ITI Udyavara

Question Paper

Duration: 30 Mins

Total Marks: 30

ID: ITISKILL9563OC

Student Name: _____	Roll No: _____
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1. Which method of refrigeration system is adopted in frost free refrigerator?

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

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

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

3. Where the manually defrosted water is stored in refrigerator?

- | | |
|----------------------------------|-----------------------------|
| A) Top of the freezer | B) Bottom of the evaporator |
| C) Tray on top of the compressor | D) Bottom of the condenser |

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

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

5. What is the rate of doing work?

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

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

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

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

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

8. What is the atmospheric pressure at sea level?

- | | |
|---------------------------|-----------------------------|
| A) 1.6 Kg/cm ² | B) 1.5 Kg/cm ² |
| C) 1.3 Kg/cm ² | D) 1.033 kg/cm ² |

9. Which factors produce work?

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

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

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

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

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

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

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

13. What is the cause for refrigerator door gap at closing position?

- | | |
|---------------------------|-------------------------|
| A) Uneven condenser level | B) Either side gap more |
| C) Uneven floor level | D) Either side gap less |

14. Which component defrosts in frost free refrigerator?

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

15. What is the equivalent absolute scale for centigrade?

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

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

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

17. Which domestic system uses automatic defrost?

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

18. Which type of evaporator is used in frost free refrigerator?

- A) Wire mesh B) Finned tube
C) Shell and tube D) Plate type

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

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

20. 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

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

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

22. Which thermodynamic process the temperature is kept constant?

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

23. 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

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

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

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

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

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

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

27. What is the advantage of sealed system compared to open type system?

- A) Mechanical efficiency is greater B) Any refrigerant can be used
C) Cylinder lubrication is easier D) No shaft seal is required

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

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

29. Which component is turned off while defrost heater is energised?

- A) Cabinet bulb B) Evaporator fan
C) Thermostat sensor D) Over load protector

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

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