TECHNICIAN(Refrigeration Mechanic),MILMA

EXAM DATE:24-11-2015

1.The chemical formula of water is:

A.N2

B.O2

C.H2O

D.CO2

2.Environment friendly refrigerant R134a is used in new generation domestic refrigerators.Its chemical formula is:

A.CHCIF2

B.C2CI3F3

C.C2CI2F4

D.C2H2F4

3.Actually the compressor has two jobs.One is compressing the refrigerant vapours and the other is:

A.Equalise pressure in the system

B.Circulate the refrigerant in the system

C.Provide refrigerating effect

D.Keep the foods fresh

4.Refrigerator door is pulled close by:

A.Magnetic gasket

B.Gravitational force

C.Spring tension

D.Stanting level

5.The five micron filters is named as:

A.Catch all filter

B.Rough filter

C.Bag filter

D.Fine filter

6.The component which release the heat from the refrigerant is:

A.Condenser

B.Evaporator

C.Expansion device

D.Thermostat

7.C.A.V.stands for

A.Central Air Volume

B.Constant Air Volume

C.Creative Air Volume

D.Constant Air Velocity

8.R.717 stands for:

A.Ammonia

B.Freon

C.Sulphur Di oxide

D.Sodium Chloride

9.Zeotropic mixtures are coming under------------series number.

A.500

B.400

C.300

D.600

10.The clearance between cylinder wall and piston wall is kept:

A..0003”

B..003”

C..0001”

D..001”

11.Cast iron is produced from which furnace:

A.Blast furnace

B.Cupola furnace

C.Pudding furnace

D.Electronic are furnace

12.The unit of resistance is:

A.Ampere

B.Ohm

C.Volt

D.Watt

13.Efficiency is always:

A.More than one

B.Equal to one

C.Less than one

D.None of the above

14.The reason for poor condensation is:

A.No lubrication

B.Poor brazing

C.Capillary check

D.Fins blocked

15.Ideal pressure of F12 is:

A.2kg/cm2

B.3.5kg/cm2

C.6kg/cm2

D.7.5kg/cm2

16.The metal wire which give good earth contact is:

A.Copper

B.Glass

C.Brass

D.Aluminium

17.Gasket prevents:

A.High temperature

B.Low pressure

C.Water flow

D.Leaks in joints

18.The evaporator which is more efficient is:

A.Dry evaporator

B.Flooded evaporator

C.Evaporator condenser

D.Heat exchanger

19.Thermostat element is charged with:

A.F12

B.Alcohol

C.Volatile liquid

D.Alcohol with water

20.The electrical fire spreading can be protected by:

A.Earth connection

B.Bucket of water

C.Sand

D.Fire extinguisher

21.An air sample without water vapour is called:

A.Moist air

B.Dry air

C.Saturated air

D.Cooled air

22.A thermostat controls:

A.The voltage

B.The air flow

C.The Pressure in the system

D.The temperature in the system

23.The valve seating should be checked for leak by:

A.Water

B.Kerosene

C.Air

D.Spirit

24.The size of the gasket is based on:

A.Length

B.Width

C.Thickness

D.roughness

25.1 Joule=-------------------

A.107 ergs

B.109 ergs

C.1010 ergs

D.105 ergs

26.The maximum amount of vapours having no unvapourised liquid is:

A.Super Heated vapours

B.Saturated vapours

C.Unsaturated vapours

D.Perfected gas

27.The given formula v=(pie xD2xSNR)/4

Cubic inch/min is used for finding:

A.Volumetric efficiency

B.Piston Displacement

C.R.P.M

D.Range of cooling tower

28.The refrigerant used for ice plant is:

A.F12

B.F22

C.F12

D.Waters

29.Which device protect our circuits from over flowing current?

A.Switch

B.Wire

C.Clamp

D.Fuse

30.Relay is an-----------Operated switch

A.Pressure

B.Electrical

C.Temperature

D.Airflow

31.Cold air moves in the direction of:

A.Upward

B.Downward

C.Horizontal

D.All of the above

32.Brine Solution density is checked by:

A.Tacometer

B.Hydrometer

C.Anemometer

D.Thermometer

33.If the Solenoid valve has mechanical problem:

A.Service the plunger

B.Exchange the coil

C.Replace the top cover

D.Change the electrical connection

34.The Piston is made of:

A.Mild steel

B.Brass

C.Copper

D.Cast iron

35.Evaporative condensers cooling medium is:

A.Combination of air and water

B.Refrigeratant vapour

C.Natural Air

D.Chilled water

36.The effect of cooling produced by a good installed unit will be:

A.Maximum

B.Minimum

C.Intermittent

D.Poor

37.In a refrigeration system frosting starts from capillary due to:

A.Oil in evaporator coil

B.Compressor has poor blocked

C.Gas quantity is less

D.Drier filter partially blocked

38.Starting capacitor is employed to increase:

A.Life of winding

B.Motor torque and power factor

C.Running performance

D.Life of motor

39.HFC should not vent to atmosphere because:

A.It is flammable in atmospheric temperature

B.It has high G.W.P

C.It is highly toxic

D.It is very costly

40.The valve lifting capacity control lifts the:

A.Solenoid valve

B.Service valve

C.Suction valve

D.Piston

41.At which point the 0C scale and 0F scale will be same

A.400

B.600

C.-400

D.00

42.The chemical formula of R12 is:

A.CCI2F2

B.C2CI2F2

C.C2CIF2

D.C2CI2F

43.Which one of the following is the cause of high head pressure?

A.Air is the system

B.Oil is the evaporator

C.Shortage of refrigerant

D.Moisture is the system

44.Which one of the following is not a refrigerant control device?

A.Thermostatic expansion valve

B.Capillary tube

C.Thermostat switch

D.Low slide float value

45.In a reciprocating compressor suction and discharge reeds are made of:

A.Carbon steel

B.Stainless steel

C.Cast iron

D.Spring steel

46.Name the type of compressor used in domestic refrigerator:

A.Screw compressor

B.Sealed type scroll

C.Sealed type rotary

D.Sealed type reciprocating

47.Liquid refrigerant collects in the lower coil of the condenser and flows through:

A.Evaporator coil

B.Compressor suction

C.Heat exchanger

D.Capillary tube

48.Water inlet flow of the water cooler is controlled by:

A.Expansion valve

B.Solenoid valve

C.Float valve

D.Pressure regulating valve

49.Thermostatic expansion valve function with:

A.Suction pressure

B.Discharge pressure

C.Suction temperature

D.Discharge temperature

50.Excessive frost collection inside the deep freezer is:

A.Lower freezer temperature

B.Spoil the food content

C.Acts as an insulation

D.Gives maximum cooling

51.Reason for Thermostat not cutout is:

A.Thermostat contacts welded

B.Low voltage

C.Storage tank is empty

D.Float valve stuck in close position

52.An object with a difference of potential exists between it and earth is called:

A.Live

B.Dead

C.Earth electrode

D.Resistance Area

53.The reason for thermostat become defective is:

A.Moisture in the system

B.Lack of lubrication oil

C.Carbon formation in contact points

D.OLP is not responding

54.In Freon group condenser tubes are:

A.Aluminium

B.Brass

C.Steel

D.Copper

55.The cooling capacity of 1 ton of refrigeration is:

A.5,000 BTU/hr

B.12,000 BTU/hr

C.18,000 BTU/hr

D.2,44,000 BTU/hr

56.The instrument used for finding the leakage of Freon and Methyl chloride is:

A.Thermostat

B.Halide torch

C.Psychrometer

D.Hydrometer

57.In the following which one is not a part of an oil pressure safety control?

A.Bimetal strip

B.Contact points

C.Reset button

D.Feeler bulb

58.In a Fin & Tube type Air cooled condenser Fins are provided for:

A.Protect the tube from damage

B.Strengthen the tube

C.Increasing the heat transaction rate

D.Giving a good shape

59.Expansion valve is located:

A.Before the evaporator

B.Before the drier

C.After the evaporator

D.Before the condenser

60.What is the expansion of LED?

A.Light emitting device

B.Light emitting diode

C.Light ejecting device

D.All of the above

61.Capillary tube is used in conventional refrigerator as a:

A.Expansion device

B.Control device

C.Metering device

D.All of the above

62.CSIR wiring will not have any one of the following ?

A.Start capacitor

B.Run capacitor

C.Relay

D.Relay Package Assembly

63.Which of the following refrigerant is highly toxic and flammable?

A.Ammonia

B.Carbondioxide

C.Sulphurdioxide

D.R-12

64.For safety which wire is connected to the ON/OFF switch:

A.Dummy

B.Neutral

C.Phase

D.Earth

65.High discharge temperature is due to:

A.Capacitor defective

B.Starting relay defective

C.Fan motor defective

D.Compressor defective

66.Dry ice is:

A.Ammonia

B.H2O

C.Carbon Mono oxide

D.CO2

67.Which type condensers are commonly used in water coolers?

A.Natural Draft

B.Forced Draft

C.Water cooled

D.Coolant Circulation

68.The weight of HC charged to the system for drop in conversion from CFC 12 to HC is:

A.140%

B.100%

C.40%

D.60%

69.The ball bearings of electrical motor are lubricated by:

A.Grease

B.Air

C.Oil

D.Water

70.The component which controls the flow of refrigerant to the evaporator is called:

A.Solenoid valve

B.Thermostat

C.Expansion valve

D.Driers

71.Dehydrator is installed in the:

A.Discharge line

B.Suction line

C.Liquid line

D.Capillary line

72.The idea of Pulse tube originated from Gifford is in:

A.1968

B.1947

C.1961

D.1930

73.EASHRAE is:

A.American Society of Heating Refrigerating and Air Conditioning Engineers

B.Association of States of Heating Refrigerating and Air Conditioning Engineers

C.American Society having Refrigerating and Air Conditioning Engineers

D.American Society of Harmful Refrigeration and Air Conditioning in Earth

74.Refrigeration is the process of --------------heat

A.Removing

B.Adding

C.Lowering

D.Transfering

75.Auto defrost operated by:

A.Evaporator fan

B.Thermostat

C.Timer switch

D.Heating element

76.Rectifiers are used to convert:

A.Voltage of current

B.Voltage of velocity

C.AC to DC

D.DC to AC

77.Normal drinking water temperature is:

A.100C

B.150C

C.200C

D.250C

78.Brine solution is:

A.Maintains the temperature

B.Made of Diesel

C.Highly flammable

D.Secondary refrigerant

79.If the fan blades are cracked:

A.Straighten the blade

B.Change the blade

C.Braze the cracking of blade

D.Stick the cracked space with adhesive

80.Poor compression due to:

A.Gas storage

B.Reeds Leak

C.Poor condensation

D.Compressors

81.The Hirakud Dam is built across the river:

A.Mahanadi

B.Ganga

C.Godawari

D.Kaveri

82.V.T.Bhattathiripad was the author of:

A.Agnisakshi

B.Kanneerum Kinavum

C.PattaBakki

D.Nalukettu

83.Poorna swaraj resolution was passed by Lahore session of Indian National congress in the year:

A.1928

B.1930

C.1929

D.1942

84.The famous news paper owned by Vakkom Abdul Khader Moulavi:

A.Young India

B.Meerathul Akbar

C.Mithavadi

D.Swadesabhimani

85.The Kerala Government’s campaign’Subodham’is an:

A.Anti drug awareness programme

B.Anti corruption awareness programme

C.Aids awareness programme

D.Anti smuggling awareness programme

86.Who was called the political father of the Ezhavas?

A.Sree Narayana Guru

B.Kumaranasan

C.Dr.Padmanabhan Palpu

D.Ayyankali

87.The historic monument built to commemorate the soldiers who died in first world war:

A.Qutub Minar

B.Charminar

C.Gate way of India

D.India Gate

88.Dada Saheb Phalke award winner for the year 2014:

A.Sasi Kapoor

B.Sanchari Vijay

C.Anil Kapoor

D.A.R.Rahman

89.’Athmavidyasangam’was founded by:

A.Vagbhatananda Swamikal

B.Thycaud Ayya

C.Chattambi Swami

D.Pandit Karuppan

90.Who became the speaker of Kerala Assembly after the death of G.Karthikeyan?

A.Sabareenath

B.N.Sakthan

C.Thomas Unniyadan

D.P.C.Thomas

91.Joseph Sepblatter,President of FIFA who resigned recently belonged to:

A.France

B.Switzerland

C.England

D.Germany

92.’Swaraj is my birth right and I shall have it’.Who said this?

A.Gandhiji

B.Nehru

C.Bal Gangadhar Tilak

D.Subhash Chandra Bose

93.Amarthyasen received Nobel Prize for:

A.Peace

B.Economics

C.Physics

D.Literature

94.Which one of the following is not an east flowing river in Kerala?

A.Kabani

B.Bhavani

C.Pambar

D.Pamba

95.Mission Indradhanus is a programme:

A.To immunize children against seven disease

B.To educate all children

C.To eradicate poverty

D.To combat terrorism

96.Chennara,the birth place of Mahakavi Vallathol is in:

A.Thrissur District

B.Malappuram District

C.Palakkad District

D.Kollam District

97.Gandhiji’s first Sathyagraha in India was at:

A.Sabarmathi

B.Surat

C.Bardoli

D.Champaran

98.SAF games 2015 is going to be held in which of the following state?

A.Assam

B.Tamil Nadu

C.Kerala

D.Goa

99.Poykayil Yohannan was also called:

A.Chavara Achan

B.Vaikundar

C.Thycaud Ayya

D.Kumara Guru

100.Which of the following was not a member of cabinet mission in 1946:

A.Sir Stafford Crips

B.A.V.Alexander

C.Lord Mount Batten

D.Pethic Lawrance