

1) Extracting the vapour refrigerant from the evaporator, so that desired pressure and temperature can be determined is the function of

- a) Condenser
- b) Evaporator
- c) Expansion device
- d) Compressor**

2) Compressor is located between

- a) Condenser and expansion device
- b) Expansion device and evaporator
- c) Evaporator and condenser**
- d) Receiver and evaporator

3) A refrigerant compressor is not used to

- a) Raise the pressure of the refrigerant
- b) Raise the temperature of the refrigerant
- c) Cool the temperature of the refrigerant**
- d) Circulate the refrigerant through the refrigerating system

4) The pressure at the outlet side of a refrigerant compressor is called as

- a) Suction pressure
- b) Discharge pressure**
- c) Critical pressure
- d) Back pressure

5) The reciprocating refrigerant compressor are very suitable for

- a) Small displacement and low condensing pressure
- b) Large displacement and high condensing pressure
- c) Small displacement and high condensing pressure**
- d) Large displacement and low condensing pressure

6) The centrifugal refrigerant compressor are very suitable for

- a) Small displacement and low condensing pressure
- b) Large displacement and high condensing pressure
- c) Small displacement and high condensing pressure
- d) Large displacement and low condensing pressure**

7) For a large tonnage (more than 200 TOR) air-conditioning application, the compressor recommended is

- a) Reciprocating
- b) Centrifugal**
- c) Rotating
- d) Screw

8) Which statement is wrong in case of Hermetically sealed compressor

- a) The leakage of refrigerant is completely prevented
- b) More Noisy**
- c) Less vibration
- d) Compact, so requires less space

- 9) Possibility of refrigerant leakage is more in open type compressor than hermetically sealed compressor
- a) **Agree**
 - b) Disagree
- 10) A condenser is used in the _____ pressure side of a refrigerating system
- a) Low
 - b) **High**
- 11) The natural convection air cooled condensers are used in
- a) **Domestic refrigerators**
 - b) Water cooler
 - c) Room air conditioner
- 12) In a shell and coil condenser, water flows in the shell and the refrigerant is the coil
- a) Right
 - b) **Wrong**
- 13) For ammonia refrigerating systems, the tubes of a shell and tube condenser are made of
- a) Copper
 - b) Aluminum
 - c) **Steel**
 - d) Brass
- 14) The water-cooled condenser has a higher heat transfer rate than an air-cooled condenser
- a) **Yes**
 - b) No
- 15) Evaporative condenser uses _____ as a condensing medium
- a) Only air
 - b) Only water
 - c) **Both Air and water**
- 16) A device which divides a refrigeration system into two pressure sides, i.e. High Pressure side and Low Pressure side
- a) Compressor
 - b) Condenser
 - c) **Expansion Device**
 - d) Evaporator
- 17) In a refrigeration system, the expansion device is connected between the
- a) Compressor and condenser
 - b) Condenser and receiver
 - c) Evaporator and compressor
 - d) **Receiver and evaporator**
- 18) The capillary tube is not used as an expansion device in
- a) Domestic refrigerators
 - b) Water coolers
 - c) Room air conditioners

d) Ice plant

19) The Thermostatic expansion valve is also called as

- a) Constant pressure valve
- b) Constant temperature valve
- c) **Constant superheat valve**

20) A valve which maintains a constant degree of superheat at the end of the evaporator coil is called as

- a) Automatic expansion valve
- b) High side float valve
- c) **Thermostatic expansion valve**
- d) Low sided float valve

21) An evaporator is also known as Cooling coil

- a) **Yes**
- b) No

22) The evaporator changes the low-pressure liquid-vapour refrigerant from the expansion valve into

- a) High pressure liquid refrigerant
- b) Low pressure liquid and vapour refrigerant
- c) **Low pressure vapour refrigerant**

23) Flooded type evaporator always maintain a constant liquid refrigerant level

- a) **Agree**
- b) Disagree

24) Chillers are used for cooling _____ refrigerants

- a) Primary refrigerants
- b) **Secondary refrigerants**

25) Identify the wrong statement in terms of Capillary tube

- a) Used in small capacity refrigeration system
- b) Relatively Cheaper
- c) Does not have any moving parts
- d) **Maintenance cost is high**

26) Identify the wrong statement in terms of water-cooled condenser

- a) Used for High capacity refrigeration system
- b) Corrosion Problem
- c) **Not suitable where adequate supply of water is available**

27) Air cooled condenser are used for

- a) **Small capacity refrigeration system**
- b) High capacity refrigeration system

28) The process of Deposition of ice on the evaporator coil is called as

- a) Defrosting
- b) **Frosting**

29) Frosting increase the rate of heat transfer from the space to be cooled to the refrigerant flowing inside evaporator

- a) Yes
- b) No**

30) Frosting is _____ in a household refrigerator

- a) Avoidable
- b) Unavoidable**

Toshib Sir and Team