

- 1) Vapour Compression refrigeration system runs on
- Vapour Absorption cycle
 - Bell Coleman cycle
 - Vapour compression cycle**
 - Brayton cycle
- 2) Which part of the Vapour compression refrigeration cycle produces the refrigeration effect?
- Compressor
 - Condenser
 - Expansion Valve
 - Evaporator**
- 3) During a refrigeration cycle, heat is rejected by the refrigerant in a
- Compressor
 - Condenser**
 - Expansion Valve
 - Evaporator
- 4) The condition of refrigerant after passing through the expansion valve in a vapour compression system is
- Dry vapour
 - Vapour
 - High pressure vapour
 - Liquid vapour**
- 5) After passing through the condenser in a vapour compression system what will be the condition of refrigerant
- Saturated Liquid**
 - Wet vapour
 - Dry saturated vapour
 - Superheated vapour
- 6) Defrosting of a refrigerator may be done by stopping the compressor for a short period
- True**
 - False
- 7) The COP of Vapour Compression refrigeration system is _____ as compared to air refrigeration system
- Low
 - High**
- 8) The condition of refrigerant as it leaves the compressor in a vapour compression system is
- Saturated Liquid
 - Wet vapour
 - Dry saturated vapour
 - Superheated vapour**

- 9) In a Pressure enthalpy chart, the space to the left of the saturated liquid line represents
- Sub cooled Liquid region**
 - Superheated vapour region
- 10) In pressure enthalpy chart, the space between the saturated liquid line and saturated vapour line represents sub cooled liquid region
- True
 - False**
- 11) In Dry compression, condition of refrigerant after passing through the compressor will be
- Saturated Liquid
 - Wet vapour
 - Dry saturated vapour
 - Superheated vapour**
- 12) The superheating increases life of compressor
- True**
 - False
- 13) The subcooling in a refrigeration cycle
- Does not alter COP
 - Increases COP**
 - Decreases COP
 - Increases work
- 14) A vapour absorption refrigerators use _____ as refrigerant
- CO₂
 - Water
 - Freon
 - Aqua-ammonia**
- 15) In vapour absorption refrigeration system the compressor of the vapour compression system is replaced by
- Liquid pump
 - Generator
 - Absorber and generator
 - Absorber, generator and liquid pump**
- 16) Which of the statement is incorrect
- In vapour absorption refrigeration, the compression of refrigerant is avoided
 - Sub cooling can be achieved by circulating more quantity of cooling water through the condenser
 - In vapour compression refrigeration, the vapour is drawn in the compressor cylinder during its suction stroke and is compressed adiabatically during the compression stroke.
 - The effect of under-cooling the liquid refrigerant is to decrease the COP**

17) In which of the following refrigeration system, waste heat can be effectively used

- a) Vapour compression cycle
- b) Vapour absorption cycle**

18) In a lithium bromide absorption refrigeration system

- a) CO₂ is used as refrigerant
- b) Lithium bromide is used as refrigerant and water as an absorbent
- c) Water is used as a refrigerant and lithium bromide as an absorbent**
- d) Ammonia is used as a refrigerant and lithium bromide as an absorbent

19) An Electrolux refrigerator is called a _____ absorption system

- a) Single fluid
- b) Two fluid
- c) Three fluid**
- d) Four fluid

20) Freon refrigerants are banned as their use is the main cause of ozone layer depletion?

- a) True**
- b) False

21) Which refrigerant is mostly used in Domestic air conditioning?

- a) R-134a**
- b) Water
- c) Ammonia
- d) CO₂

22) Ammonia is not used in domestic refrigerator?

- a) True**
- b) False

23) Which is not the desirable property of refrigerants

- a) Low boiling point
- b) High critical temperature
- c) High latent heat of vaporization
- d) High specific volume**

24) Which refrigeration cycle is most commonly used for domestic purpose

- a) vapor-compression cycle**
- b) vapour-absorption cycle

25) Which refrigerant is used in Ice cream Plants

- a) R-134a
- b) R-717**
- c) R-13

d) R-22

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