

1) An assembly of different parts of the system to produce a specified condition of air within a specified enclosed space is called as Air conditioning

- a) **True**
- b) False

2) Which is not a type of Air conditioning systems based on season of the year

- a) Winter Air conditioning system
- b) Summer Air conditioning system
- c) **Non Seasonal Air conditioning system**
- d) Year round Air conditioning system

3) Which is not the major factor while selecting an air conditioner for a room

- a) Size of the room
- b) Persons likely to use room
- c) **Furniture used in the room**
- d) Heat gain through side walls

4) In places like Nagpur, Jalgaon etc., where temperature is high but relative humidity is very low so which process is used

- a) Cooling with dehumidification
- b) Heating with humidification
- c) **Cooling with humidification**
- d) Heating with dehumidification

5) Which statement is wrong in case of Winter air conditioning

- a) Used in winter, when air is to be heated
- b) Heating of air is accompanied by humidification
- c) **Water eliminator is not required**
- d) Used in cool region

6) Which air conditioning system consist of heating and cooling equipment's with automatic control to produce comfortable condition throughout the year

- a) Summer Air conditioning system
- b) Winter Air conditioning system
- c) **Year round Air conditioning system**

7) Central air conditioning system is generally used for load above _____ TOR

- a) 5
- b) 10
- c) 15
- d) **25**

8) Which is the wrong statement in regards to Central air conditioning

- a) Low capital cost per unit of refrigeration as compared to total cost of separate units
- b) Better accessibility for maintenance
- c) **Noise and Vibration is a problem for the people in air conditioned places**
- d) The running cost is less per unit of refrigeration

9) Duct work is eliminated in

- a) **Unitary Air Conditioning**
- b) Central Air conditioning

10) Which Refrigeration cycle is used in Window AC

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

11) Device used to regulate the desired temperature within the air conditioned space.

- a) Thermometer
- b) Thermocouple
- c) **Thermostat**

12) Which Air conditioners is basically built up into two distinct unit

- a) Window Air conditioners
- b) **Split Air conditioners**
- c) Package Air conditioners

13) Which is the advantages of Split air conditioner

- a) High cost of unit
- b) Chances of leakage are more due to longer refrigerant tubing
- c) Longer distance between indoor unit and outdoor unit
- d) **Noiseless operation**

14) " Paths for supply air and return air" are called

- a) Fans
- b) Filter
- c) **Duct**
- d) Humidifier

15) Which non metallic material is also used for manufacturing of ducts

- a) Galvanised iron
- b) Aluminum
- c) **Resin bonded glass fiber**

16) Which is not a duct type

- a) Supply air duct
- b) Fresh air duct
- c) Return air duct
- d) **Clean air duct**

17) Which is not a desirable property of good duct material

- a) Non-corrosive
- b) Light weight
- c) **Absorb more moisture**
- d) Low cost

18) Surface frictional losses in duct system depends upon

- a) Air velocity
- b) Roughness of interior surface of duct
- c) Thickness of duct**
- d) Length of duct

19) Which is not a desirable property of good Insulating material

- a) Good structural strength
- b) Light weight
- c) Thermal stability
- d) High heat conductivity**

20) Which refrigeration cycle is used in Automobile air conditioning

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

21) Refrigerant used in automobile air conditioning system

- a) R-11
- b) NH₃
- c) R-134a**
- d) Water

22) Compressor used in Automobile air conditioning is run by _____

- a) Electric supply
- b) Engine Shaft power**