

Duration: 30 Mins

Total Marks: 25

Q.ID: ITISKILL49707B

1. How the pressure drop of refrigerant flow is minimised during installation of indoor and outdoor units in ductable split AC?

- A) With more horizontal distance
B) Install units as far as possible
C) System pipes with minimum bends
D) Pipe lines with more joints

Answer: C) System pipes with minimum bends

2. What is the advantage of periodical cleaning of air filter?

- A) Decrease the cooling capacity
B) Increase the speed of fan motor
C) Decrease the volume of air handling
D) Increase the cooling capacity

Answer: D) Increase the cooling capacity

3. What is the effect on defective thermostat sensor in split AC?

- A) AC unit runs continuously
B) Unit consumes less power
C) Relay malfunctions
D) Increases super heat

Answer: A) AC unit runs continuously

4. What is the reason for air conditioner running continuously but no cooling effect ?

- A) Condensation poor
B) Over charged oil
C) Refrigerant is more
D) Refrigerant leaked

Answer: D) Refrigerant leaked

5. How many fan motors are used in split AC?

- A) Two
B) Five
C) Four
D) Three

Answer: A) Two

6. Which horizontal distance is preferred between indoor and outdoor units in ductable split AC installation?

- A) 15 meters
B) 20 meters
C) 12 meters
D) 25 meters

Answer: C) 12 meters

7. Which control opens the compressor motor circuit in the event of continuous overload?

- A) Bimetal strip
B) Thermostat
C) Spring loaded relief valve
D) Fusible plug

Answer: A) Bimetal strip

8. Which component belongs to outdoor unit of split AC?

- A) Blower
B) Air filter
C) Compressor
D) Evaporator coil

Answer: C) Compressor

9. Which fan motor speed is used with outdoor unit in split AC?

- A) Triple speed
B) Double speed
C) Single speed
D) Five speed

Answer: C) Single speed

10. What is the cause for noisy fan motor in outdoor unit of split AC?

- A) Blade bent
B) Shaft struck
C) Motor Burnt
D) Bearing worn out

Answer: D) Bearing worn out

11. Which is the mounting location of evaporator in ductable split unit?

- A) Wall mounting
B) Ceiling mounting
C) Floor mounting
D) Roof mounting

Answer: B) Ceiling mounting

12. What is the function of remote control in split AC?

- A) Transmits signal to operate AC
B) Humidity setting
C) Pressure setting
D) Drain water control

Answer: A) Transmits signal to operate AC

13. Which type of switch is used to control the room air temperature in split AC?

- A) Over load protector
B) Manual switch
C) Thermostat switch
D) Thermal relay

Answer: C) Thermostat switch

14. What is the reason for poor condensation in split AC?

- A) High ambient temperature
B) Condenser tube leaky
C) Low ambient temperature
D) Blower motor failure

Answer: A) High ambient temperature

15. What is the function of starting capacitor in CSIR motor?

- A) Corrects power factor
B) Gives running torque
C) Gives initial torque
D) Improves energy efficiency

Answer: C) Gives initial torque

16. Which fan is used in condensing unit of ductable split air conditioner?

- A) Forward curved fan
- B) Propeller fan
- C) Centrifugal fan
- D) Radial fan

Answer: B) Propeller fan

17. Which valve helps to attend mechanical faults without wasting the gas in split AC?

- A) Service valve
- B) Expansion valve
- C) Float valve
- D) Gate valve

Answer: A) Service valve

18. Which type of fan blade is used with indoor unit?

- A) Guide vane
- B) Axial
- C) Blower
- D) Vane

Answer: C) Blower

19. Which component belongs to indoor unit of split AC?

- A) Compressor
- B) Drier
- C) Condenser
- D) Evaporator

Answer: D) Evaporator

20. Which motor is used to drive the blower of indoor unit in ductable split air conditioners?

- A) Three phase induction motor
- B) Permanent split capacitor motor
- C) Shaded pole motor
- D) Capacitor start capacitor run motor

Answer: B) Permanent split capacitor motor

21. Which process is done first in split AC for shifting from one place to another?

- A) Flushing
- B) Evacuation
- C) Pump down
- D) Vacuumisation

Answer: C) Pump down

22. Which type fan blade is used with out door unit of split AC?

- A) Vane
- B) Centrifugal
- C) Propeller
- D) Guide vane

Answer: C) Propeller

23. Which material is used to make ducts in split AC?

- A) Thermocole
- B) GI sheet
- C) Wood
- D) Fibre

Answer: B) GI sheet

24. Where the refrigerant is stored in split AC during pump down operation?

- A) Accumulator
- B) Condenser
- C) Compressor
- D) Evaporator

Answer: B) Condenser

25. What tonnage capacity of split AC unit uses 150/200 MFD starting capacitor?

- A) 2.5 TR
- B) 1.5 TR
- C) 2.0 TR
- D) 1 TR

Answer: C) 2.0 TR