

June 2026

Question Paper

Duration: 30 Mins

Total Marks: 25

ID: ITISKILL49707B

Student Name: _____

Roll No: _____

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

9. 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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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