

July 2026

Question Paper

Duration: 30 Mins

Total Marks: 25

ID: ITISKILL6940H3

Student Name: _____	Roll No: _____
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1. Which component belongs to outdoor unit of split AC?

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

9. 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 |

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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