

July 2026

Question Paper

Duration: 30 Mins

Total Marks: 25

ID: ITISKILL6656G7

Student Name: _____

Roll No: _____

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

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

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

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

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

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

4. 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

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

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

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

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

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

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

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

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

9. What is the effect on defective thermostat sensor in split

AC?

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

- A) Blower B) Vane

C) Axial

D) Guide vane

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

A) Centrifugal

B) Vane

C) Propeller

D) Guide vane

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

A) Vacuumisation

B) Pump down

C) Flushing

D) Evacuation

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

A) Evaporator coil

B) Compressor

C) Blower

D) Air filter

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

A) Increase the cooling capacity

B) Decrease the cooling capacity

C) Decrease the volume of air handling

D) Increase the speed of fan motor

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

A) Gate valve

B) Service valve

C) Expansion valve

D) Float valve

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

A) 20 meters

B) 12 meters

C) 15 meters

D) 25 meters

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

A) 1.5 TR

B) 2.0 TR

C) 2.5 TR

D) 1 TR

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

A) GI sheet

B) Thermocole

C) Fibre

D) Wood