

May 2026

GOVT ITI PERDOOR

Answer Key

Duration: 20 Mins

Total Marks: 25

Q.ID: ITISKILL27853E

1. 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

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

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

Answer: A) Gives initial torque

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

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

Answer: B) Increase the cooling capacity

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

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

Answer: B) Condenser

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

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

Answer: C) Two

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

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

Answer: D) Bearing worn out

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

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

Answer: C) Transmits signal to operate AC

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

A) Refrigerant is more
C) Refrigerant leaked

B) Over charged oil
D) Condensation poor

Answer: C) Refrigerant leaked

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

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

Answer: C) Thermostat switch

10. 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

Answer: A) 12 meters

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

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

Answer: A) Evaporator

12. What is the maximum TR capacity operated with Single phase AC supply?

A) 5 TR
B) 1.5 TR
C) 2.0 TR
D) 1.00 TR

Answer: C) 2.0 TR

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

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

Answer: C) Ceiling mounting

14. 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) Pipe lines with more joints
D) System pipes with minimum bends

Answer: D) System pipes with minimum bends

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

A) 2.0 TR

B) 2.5 TR

C) 1 TR

D) 1.5 TR

Answer: A) 2.0 TR

16. What is the advantage of inverter split AC?

A) Low energy efficiency

B) High energy efficiency

C) Current drawn is high

D) Eliminates compressor

Answer: B) High energy efficiency

17. 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

18. What is the cooling capacity for 1.5 Ton of ductable split air conditioner?

A) 4000 Kcal/hr

B) 4500 Kcal/hr

C) 5000 Kcal/hr

D) 3500 Kcal/hr

Answer: B) 4500 Kcal/hr

19. 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

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

A) Blower

B) Compressor

C) Evaporator coil

D) Air filter

Answer: B) Compressor

21. How many speed selection is used with indoor air blower in ductable multi split AC?

A) One - speed

B) Four - speed

C) Two - speed

D) Three - speed

Answer: D) Three - speed

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

A) GI sheet

B) Fibre

C) Thermocole

D) Wood

Answer: A) GI sheet

23. What is the test pressure of cooling coils during manufacture?

A) 450 psig

B) 150 psig

C) 250 psig

D) 350 psig

Answer: D) 350 psig

24. 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

Answer: C) Service valve

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

A) Flushing

B) Pump down

C) Evacuation

D) Vacuumisation

Answer: B) Pump down