

May 2026

GOVT ITI PERDOOR

Question Paper

Duration: 20 Mins

Total Marks: 25

ID: ITISKILL27853E

Student Name: _____	Roll No: _____
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1. What tonnage capacity of split AC unit uses 150/200 MFD starting capacitor?

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

- A) 350 psig
- B) 250 psig
- C) 150 psig
- D) 450 psig

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

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

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

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

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

- A) Four - speed
- C) One - speed

- B) Two - speed
- D) Three - speed

- A) 3500 Kcal/hr
- C) 5000 Kcal/hr

- B) 4500 Kcal/hr
- D) 4000 Kcal/hr

18. What is the advantage of inverter split AC?

- A) Current drawn is high
- C) High energy efficiency
- B) Eliminates compressor
- D) Low energy efficiency

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

- A) High ambient temperature
- C) Condenser tube leaky
- B) Blower motor failure
- 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) Pipe lines with more joints
- C) Install units as far as possible
- B) System pipes with minimum bends
- D) With more horizontal distance

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

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

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

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

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

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

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

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

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