

# THEORY TEST - 01-Jun-2026

Q. ID: ITISKILL27853E

TRADE THEORY TEST FOR THE  
MONTH OF MAY 2026

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GOVT ITI PERDOOR

Question Paper

Student: Prathik

Score: 21/25 (84.00%)

Code: 2151

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

- A) Compressor                      B) Condenser  
**C) Evaporator (Correct)**        D) Drier

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

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

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

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

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

- A) Thermocole                      **B) GI sheet (Correct)**  
C) Wood                              D) Fibre

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

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

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

- A) Two (Correct)**                    B) Five  
C) Four                                D) Three

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

- A) Accumulator                    B) Compressor  
C) Evaporator                        **D) Condenser (Correct)**

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

- A) 15 meters (Incorrect)        **B) 12 meters**  
C) 20 meters                        D) 25 meters

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

- A) Flushing                         B) Evacuation  
**C) Pump down (Correct)**        D) Vacuumisation

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

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

11. 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) Decrease the cooling capacity                                      **D) Increase the cooling capacity (Correct)**

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

- A) 1 TR                                B) 1.5 TR  
**C) 2.0 TR (Correct)**                      D) 2.5 TR

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

- A) Gate valve                        B) Float valve  
**C) Service valve (Correct)**                      D) Expansion valve

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

- A) Floor mounting                    B) Wall mounting  
**C) Ceiling mounting (Correct)**                      D) Roof mounting

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

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

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

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

17. 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) With more horizontal distance

**C) System pipes with minimum bends (Correct)** D) Install units as far as possible

A) One - speed B) Two - speed  
**C) Three - speed (Correct)** D) Four - speed

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

**A) High ambient temperature** B) Low ambient temperature  
C) Condenser tube leaky D) Blower motor failure (Incorrect)

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

A) 1.00 TR B) 1.5 TR (Incorrect)  
**C) 2.0 TR** D) 5 TR

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

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

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

A) 3500 Kcal/hr B) 4000 Kcal/hr  
**C) 4500 Kcal/hr (Correct)** D) 5000 Kcal/hr

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

A) Condensation poor B) Refrigerant is more  
**C) Refrigerant leaked (Correct)** D) Over charged oil

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

A) 150 psig (Incorrect) B) 250 psig  
**C) 350 psig** D) 450 psig

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

25. What is the advantage of inverter split AC?

A) Eliminates compressor B) **High energy efficiency (Correct)**  
C) Low energy efficiency D) Current drawn is high