

Duration: 60 Mins

Total Marks: 25

ID: ITISKILL8328BO

Student Name: _____	Roll No: _____
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1. Which type of fan blade is used with indoor unit?

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

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

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

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

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

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

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

5. 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

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

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

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

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

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

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

9. 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

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

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

11. 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

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

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

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

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

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

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

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

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

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

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

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

- A) Evaporator
- C) Accumulator

- B) Condenser
- D) Compressor

C) Vane

D) Guide vane

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

- A) Fibre
- C) Wood

- B) Thermocole
- D) GI sheet

19. 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

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

A) Shaded pole motor

B) Permanent split capacitor motor

C) Three phase induction motor

D) Capacitor start capacitor run motor

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

A) Propeller

B) Centrifugal

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

A) Bimetal strip

B) Fusible plug

C) Thermostat

D) Spring loaded relief valve

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

A) Forward curved fan

B) Propeller fan

C) Radial fan

D) Centrifugal fan

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

A) Increases super heat

B) Unit consumes less power

C) Relay malfunctions

D) AC unit runs continuously

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

A) Over charged oil

B) Refrigerant is more

C) Refrigerant leaked

D) Condensation poor