

Student: .

Score: 21/25 (84.00%)

Code: 9183

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

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

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

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

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

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

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

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

7. 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

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

- A) Vane B) Guide vane
C) Propeller (Correct) D) Centrifugal

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

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

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

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

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

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

12. 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

13. 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

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

- A) Single speed (Correct)** B) Double speed
 C) Triple speed D) Five speed

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

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

16. 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)**

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

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

18. 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

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

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

20. 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)**

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

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

22. 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

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

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

24. 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

25. 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