

Sample paper

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Attempt No.	#1	Completion Time	08:43 PM
Rank	#3	Total Questions	25

11 SCORE

25 MAX MARKS

11 CORRECT

14 INCORRECT

Answer Review

Q1 **CORRECT** Which component belongs to indoor unit of split AC?

A. Compressor

B. Condenser

C. Evaporator ☒

D. Drier

Q2 **CORRECT** Which control opens the compressor motor circuit in the event of continuous overload?

A. Thermostat

B. Fusible plug

C. Bimetal strip ☒

D. Spring loaded relief valve

Q3 **CORRECT** 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

Q4 **INCORRECT** Which fan is used in condensing unit of ductable split air conditioner?

A. Forward curved fan ☐

B. Centrifugal fan

C. Propeller fan ☒

D. Radial fan

Q5 **CORRECT** Which component belongs to outdoor unit of split AC?

A. Blower

B. Air filter

C. Compressor ☒

D. Evaporator coil

Q6 **CORRECT** Which material is used to make ducts in split AC?

A. Thermocole

B. GI sheet ☒

C. Wood

D. Fibre

Q7 **CORRECT** 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

Q8 **INCORRECT** Which type fan blade is used with out door unit of split AC?

A. Vane

B. Guide vane

C. Propeller ☐

D. Centrifugal ☐

Q9 **CORRECT** How many fan motors are used in split AC?

A. Two ☐

B. Five

C. Four

D. Three

Q10 **CORRECT** Which type of fan blade is used with indoor unit?

A. Guide vane

B. Blower ☐

C. Axial

D. Vane

Q11 **INCORRECT** Where the refrigerant is stored in split AC during pump down operation?

A. Accumulator

B. Compressor ☐

C. Evaporator

D. Condenser ☐

Q12 **INCORRECT** Which horizontal distance is preferred between indoor and outdoor units in ductable split AC installation?

A. 15 meters

B. 12 meters ☐

C. 20 meters ☐

D. 25 meters

Q13 **INCORRECT** Which process is done first in split AC for shifting from one place to another?

A. Flushing

B. Evacuation ☐

C. Pump down ☐

D. Vacuumisation

Q14 **INCORRECT** Which fan motor speed is used with outdoor unit in split AC?

A. Single speed ☐

B. Double speed ☐

C. Triple speed

D. Five speed

Q15 **INCORRECT** 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

Q16 **CORRECT** 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 ☒

Q17 **INCORRECT** What tonnage capacity of split AC unit uses 150/200 MFD starting capacitor?

- A. 1 TR
- B. 1.5 TR
- C. 2.0 TR ☒
- D. 2.5 TR ☐

Q18 **INCORRECT** Which valve helps to attend mechanical faults without wasting the gas in split AC?

- A. Gate valve ☐
- B. Float valve
- C. Service valve ☒
- D. Expansion valve

Q19 **CORRECT** Which is the mounting location of evaporator in ductable split unit?

- A. Floor mounting
- B. Wall mounting
- C. Ceiling mounting ☒
- D. Roof mounting

Q20 **INCORRECT** 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 ☒

Q21 **INCORRECT** What is the cause for noisy fan motor in outdoor unit of split AC?

- A. Bearing worn out ☒
- B. Motor Burnt ☐
- C. Shaft struck
- D. Blade bent

Q22 **INCORRECT** 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 ☒
- D. Install units as far as possible

Q23 **INCORRECT** 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

Q24 **INCORRECT** 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 ☒

D. Relay malfunctions ☐

Q25 **CORRECT** What is the reason for air conditioner running continuously but no cooling effect ?

A. Condensation poor

B. Refrigerant is more

C. Refrigerant leaked ☒

D. Over charged oil