

Sample paper

Q. ID: ITISKILL49707B | June 2026

36.00% 9 / 25

Student Name	yashas	Access Code	5993
Attempt No.	#1	Completion Time	11:19 PM
Rank	#4	Total Questions	25

9 SCORE

25 MAX MARKS

9 CORRECT

16 INCORRECT

Answer Review

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

A. Compressor

B. Condenser

C. Evaporator ☒

D. Drier

Q2 **INCORRECT** 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 **INCORRECT** Which component belongs to outdoor unit of split AC?

A. Blower ☐

B. Air filter ☐

C. Compressor ☒

D. Evaporator coil ☐

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

A. Thermocole ☐

B. GI sheet ☒

C. Wood ☐

D. Fibre ☐

Q7 **INCORRECT** 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 **INCORRECT** 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 **CORRECT** 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 **CORRECT** 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 **CORRECT** 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 **INCORRECT** 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 **CORRECT** 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