ITI Quiz -

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Question Paper

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Score: 16/25 (64.00%)

Code: 9861

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**
C) Three phase induction motor (Incorrect) | 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 (Incorrect)
C) Propeller fan | 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 | **B) 12 meters (Correct)**
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 | B) Double speed (Incorrect)
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 (Incorrect) | B) Increase the speed of fan motor
C) Decrease the cooling capacity | **D) Increase the cooling capacity**

17. 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

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 (Incorrect)
C) Shaft struck
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 (Incorrect)
B) With more horizontal distance
C) System pipes with minimum bends
D) Install units as far as possible

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

A) High ambient temperature
B) Low ambient temperature (Incorrect)
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
D) Over charged oil (Incorrect)