

TRADE THEORY MONTHLY TEST

Q. ID: ITISKILL87618G

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GOVT ITI MANVI

Question Paper

Duration: 30 Mins

Total Marks: 25

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Student Name: _____ Roll No: _____

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

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

A) Improves energy efficiency

B) Gives initial torque

C) Gives running torque

D) Corrects power factor

2. How to safe guard the hands while handling glass wool?

- A) Using shoes
- B) Wearing goggles
- C) Using mask
- D) Wearing gloves

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

- A) Gate valve
- C) Service valve

B) Float valve

D) Expansion valve

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

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

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

- A) Accumulator
- C) Evaporator

B) Condenser

D) Compressor

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

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

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

- A) 2.0 TR
- C) 1.5 TR

B) 1 TR

D) 2.5 TR

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

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

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

- A) Vane
- C) Centrifugal

B) Propeller

D) Guide vane

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

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

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

- A) Motor Burnt
- C) Shaft struck

B) Bearing worn out

D) Blade bent

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

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

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

- A) Drain water control
- C) Pressure setting

B) Transmits signal to operate AC

D) Humidity setting

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

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

16. 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
- C) With more horizontal distance

B) System pipes with minimum bends

D) Install units as far as possible

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

17. How to prevent the small pieces of glass wool affecting the eyes?

- A) Using shoes
- B) Wearing goggles
- C) Using mask
- D) Wearing gloves

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

- A) Wood
- B) Fibre
- C) Thermocole
- D) GI sheet

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

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

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

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

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

A) Shaded pole motor

C) Three phase induction motor

B) Permanent split capacitor motor

D) Capacitor start capacitor run motor

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

- A) Spring loaded relief valve
- B) Thermostat
- C) Bimetal strip
- D) Fusible plug

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

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

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

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

25. 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