

# TRADE THEORY MONTHLY TEST

Q. ID: ITISKILL87618G

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GOVT ITI MANVI

Answer Key

Duration: 30 Mins

Total Marks: 25

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

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

**Answer: D) Bearing worn out**

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

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

**Answer: B) Propeller**

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

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

**Answer: B) Thermostat switch**

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

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

**Answer: B) Two**

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

- A) Transmits signal to operate AC
- B) Pressure setting
- C) Humidity setting
- D) Drain water control

**Answer: A) Transmits signal to operate AC**

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

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

**Answer: A) Wearing gloves**

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

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

**Answer: A) Permanent split capacitor motor**

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

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

**Answer: A) Propeller fan**

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

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

**Answer: B) 2.0 TR**

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

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

**Answer: C) Blower**

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

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

**Answer: B) High ambient temperature**

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

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

**Answer: D) Gives initial torque**

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

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

**Answer: D) Ceiling mounting**

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

- A) Float valve
- B) Expansion valve
- C) Gate valve
- D) Service valve

**Answer: D) Service valve**

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

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

**Answer: B) Bimetal strip**

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

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

**Answer: D) Condenser**

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

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

**Answer: C) Pump down**

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

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

**Answer: B) GI sheet**

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

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

**Answer: A) Wearing goggles**

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

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

**Answer: B) Evaporator**

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

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

**Answer: D) Compressor**

22. How the pressure drop of refrigerant flow is minimised during installation of indoor and outdoor units in ductable split AC?

- A) System pipes with minimum bends
- B) Install units as far as possible
- C) Pipe lines with more joints
- D) With more horizontal distance

**Answer: A) System pipes with minimum bends**

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

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

**Answer: B) Single speed**

24. 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) Increase the cooling capacity
- D) Decrease the cooling capacity

**Answer: C) Increase the cooling capacity**

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

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

**Answer: B) 12 meters**