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Score: 22/40 (55.00%)

Code: 7657

1. Which type of compressor is used in window air conditioner?

- A) Belt drive  
B) Open type  
**C) Sealed type (Correct)**  
D) Swash plate

2. Which type of condenser is used in window air conditioner?

- A) Fins and tube (Correct)**  
B) Plate and tube  
C) Plate and coil  
D) Bare tube

3. What is the cooling capacity of 1 TR in K Cal / hr?

- A) 3000 (Correct)**  
B) 4000  
C) 5000  
D) 6000

4. Which type of expansion valve is used in window air conditioner?

- A) Capillary tube (Correct)**  
B) Low side float valve  
C) Automatic expansion valve  
D) Thermostatic expansion valve

5. Which type of evaporator is used in window air conditioner?

- A) Bare tube  
B) Plate and tube  
C) Fins and plate (Incorrect)  
**D) Fins and tube**

6. Which material is used for making fins of condenser in a window air conditioner?

- A) Brass  
B) Copper  
C) Cast iron  
**D) Aluminium (Correct)**

7. What is the cooling capacity of 0.5 TR in BTU / hr?

- A) 6000 (Correct)**  
B) 12000  
C) 18000  
D) 24000

8. 1 Which control device is used to maintain the room air temperature?

- A) OLP  
B) Relay  
**C) Thermostat (Correct)**  
D) Selector switch

9. Which relay is used in capacitor start, capacitor run (CSR) compressor motor?

- A) Voltage relay**  
B) Current relay  
C) Thermal relay (Incorrect)  
D) Amperage relay

10. Which safety device is used for compressor motor in window air conditioner?

- A) Relay  
B) Starting capacitor  
C) Running capacitor (Incorrect)  
**D) Over load protector**

11. Which part of window AC removes dust particles from the room air?

- A) Strainer  
B) **Air filter (Correct)**  
C) Filter drier  
D) Dehydrator

12. Which capacity of fan motor is used in 1Ton window air conditioner?

- A) 1/5 HP  
B) 1/10 HP (Incorrect)  
**C) 1/16 HP**  
D) 1/20 HP

13. Which capacitor is connected in series with starting winding of CSR motor during operation?

- A) Fan capacitor  
B) **Run capacitor (Correct)**  
C) Start capacitor  
D) No capacitor is connected

14. What is the value of running capacitor used for 1.5 TR window air conditioner?

- A) 36 MFD (Correct)**  
B) 40 MFD  
C) 80 MFD  
D) 100 MFD

15. What is the value of starting capacitor used for 1TR window air conditioner?

- A) 40 MFD (Incorrect)  
**C) 80 MFD**  
B) 60 MFD  
D) 100 MFD

16. What is the purpose of relay used in window air conditioner?

- A) Disconnect the starting capacitor**  
B) Disconnect the running capacitor (Incorrect)  
C) Disconnect the fan capacitor  
D) Disconnect the winding

17. Which is increased by the fins of condenser tubes in window air conditioner?

- A) Heat transfer rate (Correct)**  
B) Power consumption  
C) Discharge pressure  
D) Refrigerant flow rate

18. What is the purpose of operating the fan motor first and

then the compressor motor in Air conditioners?

- |                                 |                                                         |
|---------------------------------|---------------------------------------------------------|
| A) Cool the coils first by fan  | B) Cool the compressor by fan (Incorrect)               |
| C) Minimise the noise of motors | <b>D) Stop the high starting current by both motors</b> |

19. Which type of fan motor is used in window air conditioner?

- |                                                   |                                               |
|---------------------------------------------------|-----------------------------------------------|
| A) Three phase single shaft motor                 | B) Single phase single shaft motor            |
| C) Three phase double end shaft motor (Incorrect) | <b>D) Single phase double end shaft motor</b> |

20. Which winding of compressor motor is directly connected across voltage relay coil?

- |                             |                            |
|-----------------------------|----------------------------|
| A) Main winding (Incorrect) | <b>B) Starting winding</b> |
| C) Running winding          | D) Auxiliary winding       |

21. Where the normally closed contacts are internally connected in voltage relay?

- |                                    |                   |
|------------------------------------|-------------------|
| A) Across 1 and 5                  | B) Across 2 and 5 |
| <b>C) Across 1 and 2 (Correct)</b> | D) Across 2 and 4 |

22. Which is indicated by the arrow mark on filter drier component?

- |                                                   |                                        |
|---------------------------------------------------|----------------------------------------|
| A) Flow direction of air                          | B) Position of capillary tube          |
| <b>C) Flow direction of refrigerant (Correct)</b> | D) Arrangement of desiccant and filter |

23. What is the area of room cooled by 1ton window air conditioner?

- |                      |                           |
|----------------------|---------------------------|
| A) 5000 sq.ft        | B) 2000 sq.ft             |
| <b>C) 1000 sq.ft</b> | D) 3000 sq.ft (Incorrect) |

24. What is the capacity of compressor motor used in 1Ton window air conditioner?

- |            |                        |
|------------|------------------------|
| A) 0.50 HP | <b>B) 0.75 HP</b>      |
| C) 0.95 HP | D) 1.00 HP (Incorrect) |

25. Which device is used to exhaust the room air in window AC?

- |                            |               |
|----------------------------|---------------|
| <b>A) Damper (Correct)</b> | B) Air filter |
| C) Filter drier            | D) Air washer |

26. Where the filter drier is installed in window AC refrigerant circuit?

- |                   |                                 |
|-------------------|---------------------------------|
| A) Discharge line | B) Suction line                 |
| C) Service line   | <b>D) Liquid line (Correct)</b> |

27. Which winding has high inductance value in CSR compressor motor?

- |                                 |                           |
|---------------------------------|---------------------------|
| A) Common winding               | <b>B) Running winding</b> |
| C) Starting winding (Incorrect) | D) Auxiliary winding      |

28. Where the relay coil is internally connected in voltage relay?

- |                          |                               |
|--------------------------|-------------------------------|
| A) Across 1 and 2        | B) Across 5 and 1             |
| <b>C) Across 5 and 2</b> | D) Across 2 and 4 (Incorrect) |

29. What is the value of starting capacitor used for 1.5TR capacity window air conditioner?

- |                   |                                   |
|-------------------|-----------------------------------|
| A) 40 to 60 MFD   | <b>B) 80 to 100 MFD (Correct)</b> |
| C) 130 to 150 MFD | D) 150 to 160 MFD                 |

30. Which stabilizer capacity is used for 1 Ton window air conditioner?

- |          |                           |
|----------|---------------------------|
| A) 2 KVA | <b>B) 3 KVA (Correct)</b> |
| C) 4 KVA | D) 5 KVA                  |

31. What is the reason for Compressor does not start ?

- |                               |                                   |
|-------------------------------|-----------------------------------|
| A) Defective fresh air damper | B) Defective oscillation motor    |
| C) Defective fan motor        | <b>D) Defective OLP (Correct)</b> |

32. How to neutralise the concentration of leaked ammonia from air

- |                             |                                             |
|-----------------------------|---------------------------------------------|
| A) Recover ammonia from air | <b>B) Spraying a lot of water (Correct)</b> |
| C) Shut down the plant      | D) Spray Hydrochloric acid                  |

33. What is the reason for excessive frost on evaporator coil in window AC?

- |                                                   |                                       |
|---------------------------------------------------|---------------------------------------|
| A) Evaporator fins not blocked by dust            | B) Blower rotating at higher speed    |
| <b>C) Air filter blocked completely (Correct)</b> | D) More air circulation in evaporator |

34. What is the reason for Very high condenser temperature in a window air conditioner?

- |                                        |                                                  |
|----------------------------------------|--------------------------------------------------|
| A) Water splashes condenser            | B) More air flows into the condenser (Incorrect) |
| C) Fan motor working in good condition | <b>D) Dust accumulated in the condenser fins</b> |

35. What is the reason for the compressor motor burn out in a window air conditioner?

- |                                 |                         |
|---------------------------------|-------------------------|
| A) Defective fan capacitor      | B) Defective fan motor  |
| C) Defective blower (Incorrect) | <b>D) Defective OLP</b> |

36. What is the remedy for the defective OLP in a window air conditioner?

- A) Repair the OLP (Incorrect) **B) Replace the OLP**  
C) Remove the parts D) Repair the heater element

37. What is the reason for the compressor does not start but the fan motor works normally in window AC?

- A) Defective blower B) Defective fan motor  
C) Defective fan capacitor **D) Defective compressor motor (Correct)**

38. What is the remedy to remove moisture from the window AC system?

- A) Over gas charge in the system (Incorrect) **B) Evacuate the system deeply**  
C) Clean the evaporator fins D) Clean the condenser fins

39. What is the cause of reduced supply air throw though air filter is clean in window AC?

- A) No frost in the evaporator **B) Frost accumulated in the evaporator (Correct)**  
C) Dust accumulated in the condenser D) No dust accumulated in the evaporator

40. What is the effect of sensing higher temperature by thermistor NTC?

- A) Resistance increases **B) Resistance decreases**  
C) Resistance becomes zero (Incorrect) D) Resistance becomes infinity