

Duration: 20 Mins

Total Marks: 25

Q.ID: ITISKILL8878ND

1. What is the use of a starting capacitor in single phase induction motor?

- A) Improve power factor
- B) Decrease starting torque
- C) Dis connect starting winding
- D) Increase starting torque

Answer: D) Increase starting torque

2. Which gas is used for pressure testing the compressor dome?

- A) Refrigerant
- B) Nitrogen
- C) Oxygen
- D) Air

Answer: B) Nitrogen

3. Which movement of the scroll compresses the low pressure vapour in scroll compressor?

- A) Rotating
- B) Centrifugal
- C) Reciprocating
- D) Orbital

Answer: D) Orbital

4. How to change the direction of rotation in 3 Phase induction motor?

- A) Change any two phase
- B) Change neutral
- C) Change all phase
- D) Change the winding only

Answer: A) Change any two phase

5. Which motor has the least starting torque?

- A) CSR
- B) RSIR
- C) CSIR
- D) PSC

Answer: B) RSIR

6. What is the use of suction baffle in a scroll compressor?

- A) Reduce noise of compressor
- B) Reduce capacity of compressor
- C) Increase noise of compressor
- D) Allow liquid to enter into compressor

Answer: A) Reduce noise of compressor

7. What is the revolving part of induction motor?

- A) Relay
- B) Stator
- C) Rotor
- D) Winding

Answer: C) Rotor

8. Which valve is closed during compression stroke in reciprocating compressor?

- A) Discharge valve
- B) Liquid line valve
- C) Service valve
- D) Suction valve

Answer: D) Suction valve

9. What is the method of starting a 3 phase slip ring induction motor?

- A) With running capacitor
- B) With starting relay
- C) Using starting capacitor
- D) Adding resistance to rotor winding

Answer: D) Adding resistance to rotor winding

10. Which type of rotor is used in 3 Phase induction motor?

- A) Laminated rotor
- B) Squirrel cage rotor
- C) Solid rotor
- D) Shaded pole rotor

Answer: B) Squirrel cage rotor

11. What is the advantage of a hermetically sealed compressor in refrigerator?

- A) Easily serviceable
- B) Cost is high
- C) Silent operation
- D) Noise is more

Answer: C) Silent operation

12. Which is disconnected by centrifugal switch is RSIR motor?

- A) Common winding
- B) Running capacitor
- C) Starting winding
- D) Running winding

Answer: C) Starting winding

13. Which part connects the piston with small end of connecting rod in a reciprocating compressor?

- A) Piston bolt
- B) Piston pin
- C) Piston sleeve
- D) Piston rings

Answer: B) Piston pin

14. Which lubricant oil is used in swash plate of R 134a compressor?

- A) SAE - 40
- B) POE
- C) Mineral oil
- D) Servo 20

Answer: B) POE

15. What is the temperature set in thermostat that stops the compressor motor?

- A) Differential
- B) Cut out
- C) Cut in
- D) Range

Answer: B) Cut out

16. What is the use of capacitor in PSC operated induction motor?

- A) Decrease the power factor B) Decrease the starting torque
C) Improve the power factor D) Cancel the starting torque

Answer: C) Improve the power factor

17. Which instrument is used to identify the terminals of a compressor motor?

- A) Anemometer B) Ammeter
C) Ohm meter D) Voltmeter

Answer: C) Ohm meter

18. Which winding is made of thin wire in single phase motor?

- A) Starting B) Main
C) Running D) Series

Answer: A) Starting

19. Which cooling medium is used to cool the motor of a hermetic reciprocating compressor in AC?

- A) Liquid refrigerant B) Suction vapour
C) Water D) Discharge vapour

Answer: B) Suction vapour

20. Which capacitor is disconnected by relay in capacitor start and induction run motor?

- A) Power factor correction capacitor B) Running capacitor
C) Boosting capacitor D) Starting capacitor

Answer: D) Starting capacitor

21. Which is a positive displacement compressor?

- A) Scroll compressor B) Centrifugal compressor
C) Water pump D) Oil pump

Answer: A) Scroll compressor

22. Which type of compressor is used for domestic refrigerator?

- A) Centrifugal compressor B) Open type compressor
C) Semi sealed compressor D) Hermetic compressor

Answer: D) Hermetic compressor

23. Which winding is made of thick wire in single phase induction motor?

- A) Additional B) Auxiliary
C) Running D) Starting

Answer: C) Running

24. What is the reason for poor compression?

- A) Good lubrication on the moving parts B) Scratches on the piston surface
C) Lapped valve plate and reed seat D) Less clearance volume

Answer: B) Scratches on the piston surface

25. Where the refrigerant vapour is compressed in scroll compressor?

- A) Between fixed and orbiting scrolls B) Crank and connecting rod
C) Fixed and reciprocating scroll D) Eccentric and cylinder scroll

Answer: A) Between fixed and orbiting scrolls