

# TRADE THEORY - 07- Mar-2026 09:43 AM

Q. ID: ITISKILL8878ND

TradeTheory Test for the month  
of February 2026

March 2026

GOVT ITI PERDOOR

Question Paper

Student: Nagarjun

Score: 19/25 (76.00%)

Code: 8031

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

- A) **Piston pin (Correct)**      B) Piston bolt  
C) Piston rings                      D) Piston sleeve

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

- A) Main                                      B) Series (Incorrect)  
C) **Starting**                                  D) Running

3. Which is a positive displacement compressor?

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

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

- A) Ammeter                                  B) Voltmeter (Incorrect)  
C) **Ohm meter**                                D) Anemometer

5. Which motor has the least starting torque?

- A) CSIR                                        B) CSR  
C) **RSIR (Correct)**                            D) PSC

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

- A) Starting                                    B) **Running (Correct)**  
C) Auxiliary                                  D) Additional

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

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

8. What is the revolving part of induction motor?

- A) Stator                                        B) **Rotor (Correct)**  
C) Relay                                        D) Winding

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

A) **Squirrel cage rotor (Correct)**

C) Laminated rotor

B) Shaded pole rotor

D) Solid rotor

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

- A) Cut in  
C) **Cut out (Correct)**

- B) Range  
D) Differential

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

- A) Servo 20  
C) SAE - 40 (Incorrect)

- B) **POE**  
D) Mineral oil

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

- A) Service valve  
C) Discharge valve

- B) Liquid line valve  
D) **Suction valve (Correct)**

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

- A) Air  
C) **Nitrogen (Correct)**

- B) Oxygen  
D) Refrigerant

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

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

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

- A) With starting relay  
C) With running capacitor (Incorrect)

- B) Using starting capacitor  
D) **Adding resistance to rotor winding**

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

- A) Improve power factor  
C) Decrease starting torque

- B) **Increase starting torque (Correct)**  
D) Dis connect starting winding

17. What is the advantage of a hermetically sealed

compressor in refrigerator?

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

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

- A) Reciprocating (Incorrect)      B) Centrifugal  
C) Rotating      **D) Orbital**

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

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

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

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

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

- A) Decrease the starting torque      B) Cancel the starting torque

**C) Improve the power factor (Correct)**

D) Decrease the power factor

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

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

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

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

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

- A) Running winding      B) Common winding  
**C) Starting winding (Correct)**      D) Running capacitor

25. What is the reason for poor compression?

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