

# 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

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Score: 24/25 (96.00%)

Code: 9303

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  
C) **Starting (Correct)**              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  
C) **Ohm meter (Correct)**          D) Anemometer

5. Which motor has the least starting torque?

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

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

- B) **POE (Correct)**  
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

C) **Suction vapour (Correct)**

B) Liquid refrigerant

D) Water

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

- A) With starting relay  
C) With running capacitor

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

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

B) Centrifugal

C) Rotating

**D) Orbital (Correct)**

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

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