

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: Shrvanth
Score: 21/25 (84.00%)

Code: 8802

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 (Incorrect)
C) Discharge valve

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

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 (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 (Incorrect)
C) **Change any two phase** 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