

# GOVT ITI PERDOOR

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

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Attempt No.	#1	Completion Time	11:14 AM
Rank	#5	Total Questions	25

23 SCORE

25 MAX MARKS

23 CORRECT

2 INCORRECT

### Answer Review

Q1 **CORRECT** Which part connects the piston with small end of connecting rod in a reciprocating compressor?

A. Piston pin

B. Piston bolt

C. Piston rings

D. Piston sleeve

Q2 **CORRECT** Which winding is made of thin wire in single phase motor?

A. Main

B. Series

C. Starting

D. Running

**Q3 CORRECT** Which is a positive displacement compressor?

A. Centrifugal compressor

B. Scroll compressor

C. Water pump

D. Oil pump

**Q4 CORRECT** Which instrument is used to identify the terminals of a compressor motor?

A. Ammeter

B. Voltmeter

C. Ohm meter

D. Anemometer

**Q5 INCORRECT** Which motor has the least starting torque?

A. CSIR

B. CSR

C. RSIR

D. PSC

**Q6 CORRECT** Which winding is made of thick wire in single phase induction motor?

A. Starting

B. Running

C. Auxiliary

D. Additional

Q7 **CORRECT** Which type of compressor is used for domestic refrigerator?

A. Semi sealed compressor

B. Centrifugal compressor

C. Hermetic compressor

D. Open type compressor

Q8 **CORRECT** What is the revolving part of induction motor?

A. Stator

B. Rotor

C. Relay

D. Winding

Q9 **CORRECT** Which type of rotor is used in 3 Phase induction motor?

A. Squirrel cage rotor

B. Shaded pole rotor

C. Laminated rotor

D. Solid rotor

Q10 **CORRECT** What is the temperature set in thermostat that stops the compressor motor?

A. Cut in

B. Range

C. Cut out

D. Differential

Q11 **CORRECT** Which lubricant oil is used in swash plate of R 134a compressor?

A. Servo 20

B. POE

C. SAE - 40

D. Mineral oil

Q12 **CORRECT** Which valve is closed during compression stroke in reciprocating compressor?

A. Service valve

B. Liquid line valve

C. Discharge valve

D. Suction valve

Q13 **CORRECT** Which gas is used for pressure testing the compressor dome?

A. Air

B. Oxygen

C. Nitrogen

D. Refrigerant

Q14 **CORRECT** 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

D. Water

Q15 **CORRECT** What is the method of starting a 3 phase slip ring induction motor?

A. With starting relay

B. Using starting capacitor

C. With running capacitor

D. Adding resistance to rotor winding

Q16 **CORRECT** What is the use of a starting capacitor in single phase induction motor?

A. Improve power factor

B. Increase starting torque

C. Decrease starting torque

D. Dis connect starting winding

Q17 **CORRECT** What is the advantage of a hermetically sealed compressor in refrigerator?

A. Silent operation

B. Easily serviceable

C. Noise is more

D. Cost is high

Q18 **CORRECT** Which movement of the scroll compresses the low pressure vapour in scroll compressor?

A. Reciprocating

B. Centrifugal

C. Rotating

D. Orbital

Q19 **CORRECT** Which capacitor is disconnected by relay in capacitor start and induction run motor?

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

Q20 **INCORRECT** How to change the direction of rotation in 3 Phase induction motor?

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

Q21 **CORRECT** 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
- D. Decrease the power factor

Q22 **CORRECT** Where the refrigerant vapour is compressed in scroll compressor?

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

**Q23** **CORRECT** What is the use of suction baffle in a scroll compressor?

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

**Q24** **CORRECT** Which is disconnected by centrifugal switch is RSIR motor?

- A.** Running winding
- B.** Common winding
- C.** Starting winding
- D.** Running capacitor

**Q25** **CORRECT** What is the reason for poor compression?

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