

GOVT ITI PERDOOR

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

Q. ID: ITISKILL8878ND | March 2026

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Student Name	Nagarjun	Access Code	8031
Attempt No.	#1	Completion Time	11:15 AM
Rank	#12	Total Questions	25

19 SCORE

25 MAX MARKS

19 CORRECT

6 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 INCORRECT 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 **INCORRECT** Which instrument is used to identify the terminals of a compressor motor?

A. Ammeter

B. Voltmeter

C. Ohm meter

D. Anemometer

Q5 **CORRECT** 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 **INCORRECT** 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 **INCORRECT** 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 **INCORRECT** 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 **CORRECT** 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 **INCORRECT** 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