

ITI Quiz - 27-Mar-2026 04:18 PM

Q. ID: ITISKILL4316NW | March 2026

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Student Name	Rahul Walikar Unit 2	Access Code	0668
Attempt No.	#3	Completion Time	04:57 PM
Rank	#1	Total Questions	30

15 SCORE

30 MAX MARKS

15 CORRECT

15 INCORRECT

Answer Review

Q1 CORRECT What is the purpose of V? pulley in the charging system?

- A. Drive the cam shaft
- B. Rotate the alternator rotor ☒
- C. Drive the crank shaft
- D. Support rectifier mounting plates

Q2 INCORRECT Which type of DC starter motor generally used in automoniles?

- A. Series type ☒
- B. Shunt type
- C. Compound type ☐
- D. Parallel type

Q3 CORRECT What is the working principle of alternator?

- A. Ohms law
- B. Law of resistance
- C. Electromagnetic induction ☒
- D. Lenz's law

Q4 **CORRECT** What is the material used to make diodes?

A. Mica

B. Silicon ☒

C. Alumina foil

D. Graphite

Q5 **CORRECT** Which part of bendix drive starting system limit the turning of the sleeve on the armature shaft?

A. Pinion

B. Bendix drive spring ☒

C. Anti drift spring

D. Fly wheel

Q6 **INCORRECT** What is the purpose of slot provided in the laminated cylindrical iron core of stator assembly?

A. For lubrication ☐

B. For fitting insulated windings ☒

C. For easy fitting

D. Provide space for cooling

Q7 **INCORRECT** What is the function of over running clutch in the starting system?

A. Protect armature from damage ☒

B. Prevent sliding movement of pinion

C. Operate the solenoid

D. Drive the armature shaft ☐

Q8 **CORRECT** How the alternator field terminal is connected to the battery?

A. By ignition switch ☐

B. By indicator lamp

C. By charge indicator

D. By voltage regulator

Q9 **INCORRECT** What is the function of drive end frame in the alternator?

A. Carriers driving pulley

B. Connecting to spring loaded brush

C. Allow current flow in one direction ☐

D. Support the pre lubricated sealed bearing ☐

Q10 **INCORRECT** What is the function of solenoid switch?

A. Open and close the circuit between primary and secondary ☐

B. Stepdown voltage from primary to secondary winding

C. Close the contact between battery and starting motor ☐

D. Shift the lever to engage the plunger

Q11 **INCORRECT** What is the function of rotor assembly?

A. Supports pre lubricated scaled bearing

B. Carriers driving pulley and cooling fan ☐

C. Allow the current flow in one direction ☐

D. Supports rectifier mounting plates

Q12 **INCORRECT** Which type of winding is connected to the starter switch in the solenoid switch?

A. Pull in winding ☐

B. Hold in winding

C. Compound winding

D. Primary winding ☐

Q13 **CORRECT** What is the minimum RPM of crank shaft required to start the engine?

A. 180 RPM

B. 200 RPM

C. 100 RPM ☐

D. 150 RPM

Q14 **CORRECT** Where the starter motor located?

A. Front side of engine

B. Rear side of engine ☐

C. Top side of engine

D. Bottom of engine

Q15 **INCORRECT** What is the advantage of series winding type starter motor?

A. Produce high starting torque ☐

B. Produce constant starting torque

C. Increase the life of armature ☐

D. Less cost of maintenance

Q16 **CORRECT** Why it is necessary to disengage the starter pinion from fly wheel ring gear once the engine has started?

A. Prevent damage to starter motor ☒

B. Prevent wastage of current

C. Reduce the wear on commutator

D. Increase the fuel efficiency

Q17 **CORRECT** How the armature winding ends are connected with commutator?

A. By welding

B. By soldering ☒

C. By riveting

D. By brazing

Q18 **INCORRECT** What is the purpose of alternator?

A. Produce more electricity at high RPM

B. Produce more electricity at low RPM ☒

C. Produce constant electric supply at high RPM

D. Produce variable electric supply at high RPM ☐

Q19 **CORRECT** What is the function of diodes?

A. Convert AC to DC ☒

B. Convert DC to AC

C. Step up voltage

D. Step down voltage

Q20 **INCORRECT** Which device used to prevent damage to the battery and other electrical accessories?

A. Voltage regulator ☐

B. Current regulator

C. Distributor assembly

D. Alternator ☐

Q21 **INCORRECT** What is the adverse effect of fly wheel ring to starter pinion ratio is very high?

A. Reduce the starting torque

B. Damage to starter motor ☐

C. Increase the starting torque

D. Starter motor fails to start ☐

Q22 **CORRECT** Why the brushes are provided with a curvature at the bottom in the starting system?

A. Prevent wear on commutator

B. Provide more contact with commutator ☐

C. Ensure proper heat dissipation

D. Provide ventilation to commutator

Q23 **CORRECT** What is the contributory cause of starter motor running but not cranking?

A. Abnormally worn brush

B. Over running clutch slipping ☐

C. Faulty ECM circuit

D. Poor contacting action of ignition

Q24 **INCORRECT** What will be the result of worn teeth of ring gear in the starting system?

- A. Motor running but too fast
- B. Motor not running no operating sound of magnetic switch ☐
- C. Starter motor running too slow
- D. Starter motor running but not cranking ☐

Q25 **CORRECT** What is the possible cause of motor not running and no operating sound of magnetic switch?

- A. Burnt commutator
- B. Battery discharged ☐
- C. Worn brushes
- D. Worn pinion tip

Q26 **INCORRECT** Why anti drift spring is provided in the bendix drive starting system?

- A. Provide grip over armature shaft
- B. Avoid the side way movement of armature shaft ☐
- C. Prevent pinion striking fly wheel ☐
- D. Resist wear on the fly wheel

Q27 **INCORRECT** What is the cause of low voltage output from alternator?

- A. Faulty regulator ☐
- B. Loose mountings
- C. Wornout bearing
- D. Loose drive pulley ☐

Q28 **CORRECT** What causes charges at high rate in the alternator?

- A. Open rectifier circuit
- B. Open field current
- C. Voltage regulator setting too low
- D. Voltage regulator setting too high ☒

Q29 **CORRECT** What will be the result of loose drive pulley in the alternator?

- A. Charges at high rate
- B. Low voltage output from alternator
- C. No change when engine running
- D. Alternator noisy ☒

Q30 **INCORRECT** What causes no charge when engine is running?

- A. Drive belt loose ☒
- B. Shorted rectifier
- C. Sticky regulator
- D. Brushes not seating properly ☐