ITI Quiz - 31-Mar-2026 06:31 PM

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90.00% 27 / 30

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Attempt No.	#1	Completion Time	06:46 PM
Rank	#2	Total Questions	30

27 SCORE	**30** MAX MARKS	**27** CORRECT	**3** 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 rectifiter mounting plates

Q2 CORRECT 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 CORRECT What is the purpose of slot provided in the laminated cylindrical iron core of stator assembly?

A. For lubricantion

B. For fitting insulated windings □

C. For easy fitting

D. Provide space for cooling

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

A. Protect armature from damge □

B. Prevent sliding movement of pinion

C. Operate the solenoid

D. Drive the armature shaft

Q8 INCORRECT 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 CORRECT 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 CORRECT 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 CORRECT 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 CORRECT 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 torue

C. Increase the life of armature

D. Less cost of maintance

Q16 INCORRECT 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 CORRECT 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 CORRECT 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 CORRECT 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 dessipation

D. Provide ventilation to commutator

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

A. Abnormally woem brush

B. Over running clutch slipping ✓

C. Faullty ECM circuit

D. Poor contacting action of ignition

Q24 CORRECT 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 magentic 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 CORRECT 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 CORRECT What is the cause of low voltage output from alternator?

A. Faulty regulator □

B. Loose mountings

C. Wornout bearing

D. Loose drive pully

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 CORRECT What causes no charge when engine is running?

A. Drive belt loose □

B. Shorted rectifier

C. Sticky regulator

D. Brushes not seating properly