# ITI Quiz - 28-Feb-2026 07:46 PM

Q. ID: ITISKILL5369NZ

February 2026

Question Paper

**Duration: 30 Mins** **Total Marks: 30** **ID: ITISKILL5369NZ**

Student Name: _____ Roll No: _____

**1.** Where the starter motor located?

A) Rear side of engine
B) Top side of engine
C) Bottom of engine
D) Front side of engine

**2.** Why anti drift spring is provided in the bendix drive starting system?

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

**3.** How the alternator field terminal is connected to the battery?

A) By indicator lamp
B) By voltage regulator
C) By charge indicator
D) By ignition switch

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

A) For lubricantion
B) For easy fitting
C) Provide space for cooling
D) For fitting insulated windings

**5.** What causes charges at high rate in the alternator?

A) Voltage regulator setting too high
B) Open field current
C) Open rectifier circuit
D) Voltage regulator setting too low

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

A) Anti drift spring
B) Bendix drive spring
C) Pinion
D) Fly wheel

**7.** What is the advantage of series winding type starter motor?

A) Increase the life of armature
B) Less cost of maintance
C) Produce constant starting torue
D) Produce high starting torque

**8.** Which type of winding is connected to the starter switch in the solenoid switch?

A) Primary winding
B) Pull in winding
C) Hold in winding
D) Compound winding

**9.** What is the function of solenoid switch?

A) Close the contact between battery and starting motor
B) Shift the lever to engage the plunger
C) Open and close the circuit between primary and secondary
D) Stepdown voltage from primary to secondary winding

**10.** Why the brushes are provided with a curvature at the bottom in the starting system?

A) Provide more contact with commutator
B) Prevent wear on commutator
C) Provide ventilation to commutator
D) Ensure proper heat dessipation

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

A) Battery discharged
B) Worn pinion tip
C) Burnt commutator
D) Worn brushes

**12.** What is the function of over running clutch in the starting system?

A) Drive the armature shaft
B) Prevent sliding movement of pinion
C) Protect armature from damge
D) Operate the solenoid

**13.** How the armature winding ends are connected with commutator?

A) By riveting
B) By welding
C) By soldering
D) By brazing

**14.** What is the function of diodes?

A) Convert AC to DC
B) Step down voltage
C) Convert DC to AC
D) Step up voltage

**15.** What is the minimum RPM of crank shaft required to start the engine?

A) 200 RPM
B) 150 RPM

C) 100 RPM
D) 180 RPM

**16.** Which type of DC starter motor generally used in automoniles?

A) Compound type
B) Series type
C) Shunt type
D) Parallel type

**17.** What is the working principle of alternator?

A) Law of resistance
B) Electromagnetic induction
C) Lenz's law
D) Ohms law

**18.** What is the cause of low voltage output from alternator?

A) Loose drive pully
B) Faulty regulator
C) Loose mountings
D) Wornout bearing

**19.** What will be the result of worn teeth of ring gear in the starting system?

A) Starter motor running but not cranking
B) Starter motor running too slow
C) Motor not running no operating sound of magentic switch
D) Motor running but too fast

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

A) Reduce the wear on commutator
B) Prevent wastage of current
C) Increase the fuel efficiency
D) Prevent damage to starter motor

**21.** What is the material used to make diodes?

A) Mica
B) Silicon
C) Graphite
D) Alumina foil

**22.** What is the contributory cause of starter motor running but not cranking?

A) Faullty ECM circuit
B) Poor contacting action of ignition
C) Over running clutch slipping
D) Abnormally woem brush

**23.** What is the function of drive end frame in the alternator?

A) Allow current flow in one direction
B) Connecting to spring loaded brush
C) Support the pre lubricated sealed bearing
D) Carriers driving pulley

**24.** What causes no charge when engine is running?

A) Shorted rectifier
B) Drive belt loose
C) Sticky regulator
D) Brushes not seating properly

**25.** What is the purpose of ?V? pulley in the charging system?

A) Support rectifiter mounting plates
B) Rotate the alternator rotor
C) Drive the cam shaft
D) Drive the crank shaft

**26.** What is the purpose of alternator?

A) Produce variable electric supply at high RPM
B) Produce more electricity at low RPM
C) Produce more electricity at high RPM
D) Produce constant electric supply at high RPM

**27.** What will be the result of loose drive pulley in the alternator?

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

**28.** Which device used to prevent damage to the battery and other electrical accessories?

A) Distributor assembly
B) Voltage regulator
C) Current regulator
D) Alternator

**29.** 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

**30.** What is the function of rotor assembly?

A) Allow the current flow in one direction
B) Supports pre lubricated scaled bearing
C) Carriers driving pulley and cooling fan
D) Supports rectifier mounting plates