

ITI Quiz - 27-Mar-2026

04:11 PM

Q. ID: ITISKILL6952CP

March 2026

Answer Key

Duration: 30 Mins

Total Marks: 30

Q.ID: ITISKILL6952CP

1. What causes charges at high rate in the alternator?

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

Answer: A) Voltage regulator setting too high

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

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

Answer: D) Starter motor running but not cranking

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

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

Answer: C) For fitting insulated windings

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

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

Answer: D) Protect armature from damage

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

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

Answer: C) Prevent damage to starter motor

6. What is the working principle of alternator?

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

Answer: B) Electromagnetic induction

7. Where the starter motor located?

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

Answer: A) Rear side of engine

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

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

Answer: A) Bendix drive spring

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

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

Answer: A) Series type

10. What is the material used to make diodes?

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

Answer: B) Silicon

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

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

Answer: A) Battery discharged

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

- A) 200 RPM B) 150 RPM
C) 180 RPM D) 100 RPM

Answer: D) 100 RPM

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

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

Answer: D) By soldering

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

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

Answer: C) Alternator noisy

15. What is the purpose of alternator?

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

Answer: C) Produce more electricity at low RPM

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

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

Answer: D) Faulty regulator

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

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

Answer: C) Produce high starting torque

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

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

Answer: C) Voltage regulator

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

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

Answer: A) Support the pre lubricated sealed bearing

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

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

Answer: C) Rotate the alternator rotor

21. 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

Answer: B) Provide more contact with commutator

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

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

Answer: C) Over running clutch slipping

23. What is the function of solenoid switch?

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

Answer: A) Close the contact between battery and starting motor

24. What is the adverse effect of fly wheel ring to starter pinion ratio is very high?

- A) Damage to starter motor
- B) Starter motor fails to start
- C) Increase the starting torque
- D) Reduce the starting torque

Answer: A) Damage to starter motor

25. What is the function of diodes?

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

Answer: D) Convert AC to DC

26. How the alternator field terminal is connected to the battery?

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

Answer: D) By ignition switch

27. What causes no charge when engine is running?

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

Answer: B) Drive belt loose

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

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

Answer: D) Prevent pinion striking fly wheel

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

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

Answer: C) Pull in winding

30. 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

Answer: B) Carriers driving pulley and cooling fan
