

CHARGING AND STRTING SYSTEM

Q. ID: ITISKILL4282PS

February 2026

Answer Key

Duration: 60 Mins

Total Marks: 19

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1. Which part of alternator generate AC current in the stator coil?

- A) Current regulator
- B) Rotor assembly
- C) Drive end frame
- D) Slip ring end frame

Answer: B) Rotor assembly

2. How many windings are provided in a solenoid switch?

- A) 5
- B) 4
- C) 3
- D) 2

Answer: D) 2

3. Which winding have thin wire in solenoid switch?

- A) Field-in winding
- B) Field winding
- C) Armature winding
- D) Hold-in winding

Answer: D) Hold-in winding

4. Which condition does a dynamo highly charge the battery?

- A) Low engine torque
- B) High engine torque
- C) High engine speed
- D) Low engine speed

Answer: C) High engine speed

5. Where the carbon brushes are in contact with starting motor?

- A) End cover
- B) Armature shaft
- C) Commutator
- D) Armature

Answer: C) Commutator

6. Which is the instrument used to check the wearness of the commutator?

- A) Dial gauge
- B) Vernier caliper
- C) Multimeter
- D) Growler

Answer: B) Vernier caliper

7. Which winding have thick wire in solenoid switch?

- A) Pull-in winding
- B) Hold-in winding
- C) Field winding
- D) Armature winding

Answer: A) Pull-in winding

8. What is the stationary part of an alternator?

- A) Stator
- B) Rotor
- C) Pulley
- D) Slip rings

Answer: A) Stator

9. Which is used to operate the over running clutch drive pinion?

- A) Starter push switch
- B) Solenoid switch
- C) Starter switch
- D) Ignition switch

Answer: B) Solenoid switch

10. Which part of the engine engages with starter motor pinion?

- A) Timing gear
- B) Fly wheel ring gear
- C) Cam Shaft gear
- D) Pump gear

Answer: B) Fly wheel ring gear

11. Which control the voltage in alternator current?

- A) Stator assembly
- B) Battery +ve terminal
- C) Regulator
- D) Rotor assembly

Answer: C) Regulator

12. Which is produced AC output in alternator?

- A) Self induction
- B) Reactance
- C) Mutual induction
- D) Electro magnetic induction

Answer: D) Electro magnetic induction

13. Which type drive mechanism slide the armature in starting motor?

- A) Axial drive
- B) Bendix drive
- C) Non axial drive
- D) Over running clutch drive

Answer: A) Axial drive

14. What instrument used to check run out of commutator?

- A) Multimeter
- B) Growler
- C) Dial gauge
- D) Vernier caliper

Answer: C) Dial gauge

15. Which device produce the AC current in a vehicle?

- A) Dynamo
- B) Starting motor
- C) Ignition coil
- D) Alternator

Answer: D) Alternator

16. Which device used to maintain the constant voltage in a charging circuit?

- A) Field regulator
- B) Cut out regulator
- C) Current regulator
- D) Voltage regulator

Answer: D) Voltage regulator

17. Which device give high output at low speed?

- A) Alternator
- B) Dynamo
- C) Self motor
- D) Transformer

Answer: A) Alternator

18. Which is used to convert AC to DC in alternator?

- A) Rotor
- B) Diodes

C) Slip ring

D) Condenser

Answer: B) Diodes

19. Which condition does a alternator normally charge the battery?

- A) High engine speed
- B) Low engine torque
- C) Low engine speed
- D) High engine torque

Answer: C) Low engine speed
