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Score: 13/20 (65.00%)

Code: 8471

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

- A) Drive the cam shaft
 B) **Rotate the alternator rotor (Correct)**
 C) Drive the crank shaft
 D) Support rectifier mounting plates

2. What is the working principle of alternator?

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

3. What is the material used to make diodes?

- A) Mica (Incorrect)
 B) **Silicon**
 C) Alumina foil
 D) Graphite

4. 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 (Incorrect)
 D) Fly wheel

5. 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 (Incorrect)

6. 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 (Correct)**
 D) Shift the lever to engage the plunger

7. Where the starter motor located?

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

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

- A) **Produce high starting torque (Correct)**
 B) Produce constant starting torque
 C) Increase the life of armature
 D) Less cost of maintenance

9. What is the purpose of alternator?

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

10. What is the function of diodes?

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

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

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

12. 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 (Correct)**
 C) Increase the starting torque
 D) Starter motor fails to start

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

- A) Prevent wear on commutator (Incorrect)
 B) **Provide more contact with commutator**
 C) Ensure proper heat dissipation
 D) Provide ventilation to commutator

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

- A) Abnormally worn brush
 B) **Over running clutch slipping (Correct)**
 C) Faulty ECM circuit
 D) Poor contacting action of ignition

15. 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 (Correct)**

16. 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
(Incorrect)

17. 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
(Incorrect)
- C) Prevent pinion striking fly wheel**
- D) Resist wear on the fly wheel

18. 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 (Correct)

19. 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 (Correct)**

20. What causes no charge when engine is running?

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