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Score: 18/20 (90.00%)

Code: 6162

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  
B) **Silicon (Correct)**  
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 (Correct)**  
C) Anti drift spring  
D) Fly wheel
5. How the alternator field terminal is connected to the battery?
- A) **By ignition switch (Correct)**  
B) By indicator lamp  
C) By charge indicator  
D) By voltage regulator
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 (Correct)**  
B) Convert DC to AC  
C) Step up voltage  
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  
B) **Provide more contact with commutator (Correct)**  
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  
C) Worn brushes  
**B) Battery discharged (Correct)**  
D) Worn pinion tip

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

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

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

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

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

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

20. What causes no charge when engine is running?

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