

Name \_\_\_\_\_

**MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question.**

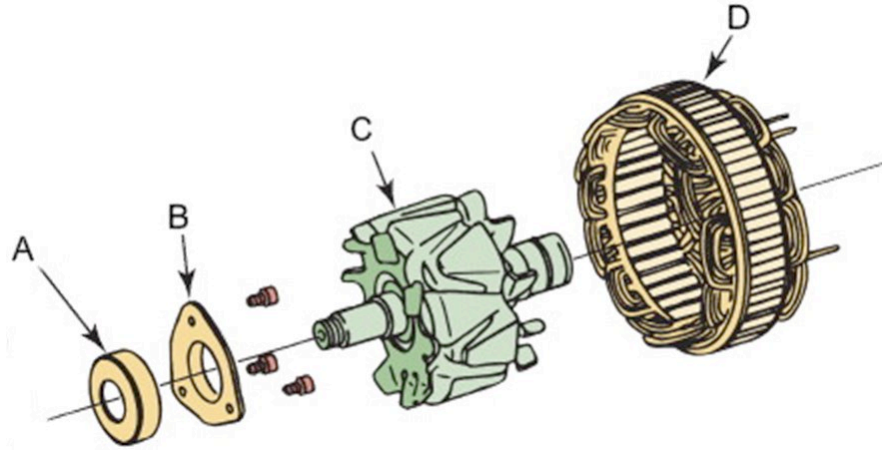
- 1) On a vehicle using an electrical power management system (EPM), how is the current to the battery measured? 1) \_\_\_\_\_  
A) With a Hall effect sensor  
B) With an in-line ammeter  
C) By using a custom voltmeter  
D) By use of a duty-cycle sensor
- 2) Which of these is TRUE about an alternator with an overrunning pulley? 2) \_\_\_\_\_  
A) Replacement pulley must be the overrunning type  
B) It can use a conventional replacement pulley  
C) Both A and B  
D) Neither A nor B
- 3) The output of an alternator can be increased by increasing the \_\_\_\_\_ of the alternator. 3) \_\_\_\_\_  
A) speed of rotation  
B) number of conductors in the stator  
C) current in the rotor  
D) Any of these would increase the output.
- 4) Technician A says that an alternator overrunning pulley is used to reduce vibration and noise, Technician B says that an overrunning alternator pulley or dampener uses a one-way clutch. Who is right? 4) \_\_\_\_\_  
A) Technician A only  
B) Technician B only  
C) Both technicians  
D) Neither technician
- 5) Electronic voltage regulators use a temperature-sensitive resistor in the regulator circuit. This resistor, called a thermistor, provides lower resistance as the temperature \_\_\_\_\_. 5) \_\_\_\_\_  
A) decreases  
B) increases  
C) stays the same  
D) doubles
- 6) The voltage regulator controls the current through the \_\_\_\_\_. 6) \_\_\_\_\_  
A) alternator brushes  
B) rotor  
C) alternator field  
D) all of these

7) One horsepower is equal to \_\_\_\_\_ watts.

- A) 746
- B) 500
- C) 1050
- D) none of these

7) \_\_\_\_\_

8) Which of these components is the stator?



8) \_\_\_\_\_

- A) A
- B) B
- C) C
- D) D

9) Technician A says that the diodes regulate the alternator output voltage. Technician B says that the field current can be computer controlled. Who is right?

- A) Technician A only
- B) Technician B only
- C) Both technicians
- D) Neither technician

9) \_\_\_\_\_

10) How is the AC current produced in the alternator changed to DC current?

- A) Mechanical switches
- B) Alternating brushes
- C) Slip ring rotation
- D) By diodes inside the alternator

10) \_\_\_\_\_

## Answer Key

Testname: AT6\_54A

1) A

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2) A

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3) D

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4) C

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5) B

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6) D

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7) A

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8) D

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9) B

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10) D

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