

Name _____

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

- 1) How are the new slip rings attached to the rotor core during alternator rebuilding? 1) _____
 - A) Machine clamped
 - B) Soldered on
 - C) Crimped on
 - D) Epoxy glue

- 2) Which of the following would NOT be used to check for drive belt wear? 2) _____
 - A) Groove color change
 - B) A tension gauge
 - C) A belt wear gauge
 - D) Belt deflection between two pulleys

- 3) Technician A says that a voltage drop test of the charging circuit should only be performed when current is flowing through the circuit. Technician B says to connect the leads of a voltmeter to the positive and negative terminals of the battery to measure the voltage drop of the charging system. Who is right? 3) _____
 - A) Technician A only
 - B) Technician B only
 - C) Both technicians
 - D) Neither technician

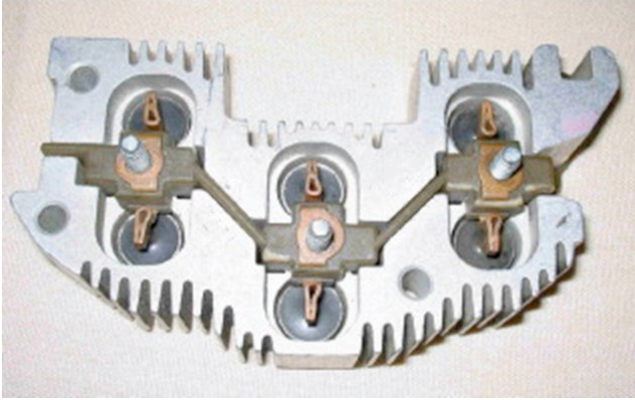
- 4) Technician A says that charging system testing requires that the battery be at least 75% charged. Technician B says that a digital multimeter can not be used to test charging system voltage. Who is right? 4) _____
 - A) Technician A only
 - B) Technician B only
 - C) Both technicians
 - D) Neither technician

- 5) When testing an alternator minimum required output, what is an acceptable reading? 5) _____
 - A) 2 to 5 amperes
 - B) Five amperes greater than the accessory load
 - C) Over 100 amperes higher than the accessory load
 - D) Less than 3 amperes

- 6) Technician A says that the computer can be used to control the output of the alternator by controlling the field current. Technician B says that voltage regulators control the alternator output by controlling the field current through the rotor. Which technician is correct? 6) _____
 - A) Technician A only
 - B) Technician B only
 - C) Both technicians
 - D) Neither technician

7) Identify this alternator component.

7) _____



- A) Rectifier bridge
- B) Diode trio
- C) Stator linkage
- D) Alternator end housing

8) A vehicle battery is consistently low on voltage. Technician A says to disconnect the battery with the engine running to test for proper alternator output. Technician B says that a loose alternator belt may cause this problem. Who is right?

8) _____

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

9) When performing an alternator output test, which of these tools would the technician choose?

9) _____

- A) An electronic torque wrench
- B) An ohmmeter
- C) A load tester
- D) A vacuum gauge

10) Technician A says that by full fielding the alternator, you are bypassing the voltage regulator. Technician B says that full fielding can possibly damage electronic circuits, so it is no longer a recommended test. Who is right?

10) _____

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

Answer Key

Testname: AT6_55A

1) B

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2) A

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3) A

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4) A

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5) B

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6) C

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7) A

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8) B

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9) C

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10) C

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