

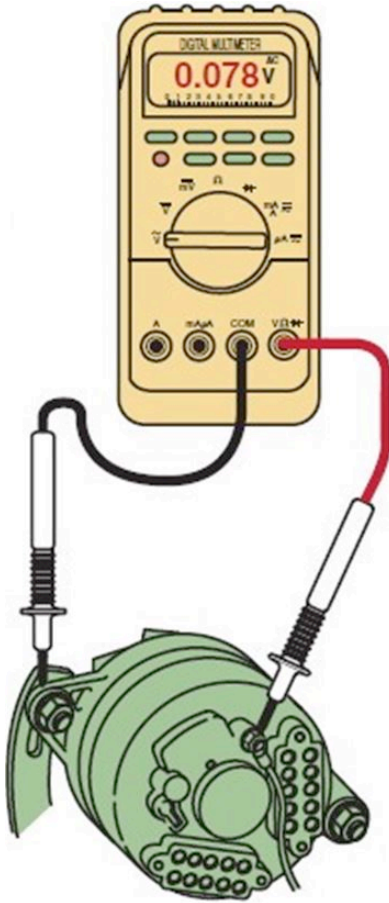
Name _____

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

- 1) 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. Which technician is correct? 1) _____
A) Technician A only
B) Technician B only
C) Both technicians
D) Neither technician
- 2) To check for ripple voltage from the alternator, connect a digital multimeter (DMM) and select _____ 2) _____
A) DC volts
B) AC volts
C) DC amps
D) AC amps
- 3) All of these alternator components should be electrically tested, EXCEPT _____. 3) _____
A) Stator
B) Rotor
C) Diodes
D) End frame
- 4) Before disassembling an alternator, _____ the case. 4) _____
A) Paint
B) Mark
C) Acid dip
D) Wash

5) What test is being performed in this illustration (engine running)?

5) _____



- A) AC ripple test
- B) Alternator voltage output test
- C) Charging system current test
- D) Diode test

6) How are new slip rings attached to the rotor core during alternator rebuilding?

6) _____

- A) Machine clamped
- B) Soldered on
- C) Crimped on
- D) Epoxy glue

7) Which of the following would NOT be used to check drive belt wear?

7) _____

- A) Groove color change
- B) A tension gauge
- C) A belt wear gauge
- D) Belt deflection between two pulleys

- 8) When performing an alternator output test, which tool should the technician choose? 8) _____
- A) An electronic torque wrench
 - B) An ohmmeter
 - C) A load tester
 - D) A vacuum gauge
- 9) 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. Which technician is correct? 9) _____
- A) Technician A only
 - B) Technician B only
 - C) Both technicians
 - D) Neither technician
- 10) When the rotor is removed from the rear housing, the brushes will fall out. 10) _____
- A) True
 - B) False

Answer Key

Testname: AEE6_23B

- 1) C
Page Ref: 280
- 2) B
Page Ref: 283
- 3) D
Page Ref: 299
- 4) B
Page Ref: 299
- 5) A
Page Ref: 284
- 6) B
Page Ref: 291
- 7) A
Page Ref: 281,282
- 8) C
Page Ref: 286
- 9) B
Page Ref: 286
- 10) A
Page Ref: 288