

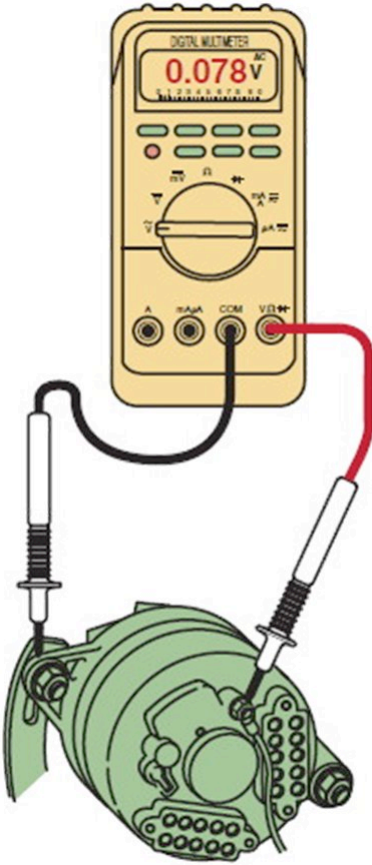
Name _____

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. Who is right? 1) _____
- A) Technician A only
 - B) Technician B only
 - C) Both technicians
 - D) Neither technician
- 2) An acceptable charging circuit voltage on a 12 volt system is _____. 2) _____
- A) 13.5 to 15 volts
 - B) 12.6 to 15.6 volts
 - C) 12 to 14 volts
 - D) 14.9 to 16.1 volts
- 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) The maximum allowable alternating current (AC) in amperes that is being sent to the battery from the alternator is _____. 4) _____
- A) 0.04 A
 - B) 1 to 3 A
 - C) 3 to 4 A
 - D) 10% of the rated output of the AC Generator
- 5) When performing an alternator output test, which of these tools would the technician choose? 5) _____
- A) An electronic torque wrench
 - B) An ohmmeter
 - C) A load tester
 - D) A vacuum gauge
- 6) The diodes are usually replaced _____. 6) _____
- A) individually, only if open
 - B) individually, only if shorted
 - C) as a replaceable rectifier component
 - D) as part of the stator assembly

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

7) _____



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

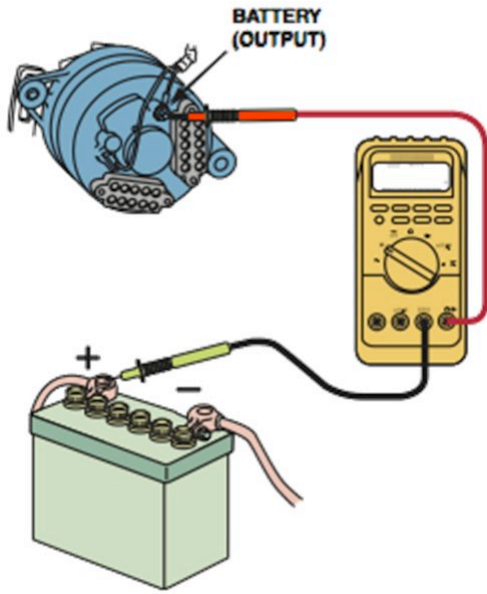
8) Which of the following would NOT be used to check for drive belt wear?

8) _____

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

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

9) _____



- A) Alternator output voltage drop test
- B) Charging current test
- C) Alternator ground circuit test
- D) Battery voltage test

10) 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?

10) _____

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