

Name: \_\_\_\_\_ Date: \_\_\_\_\_

1. What is the first step in testing alternator output?

- A. Check the battery voltage
- B. Inspect the alternator belt
- C. Connect the starting and charging test leads
- D. Turn off all electrical accessories

2. What is a symptom of a defective overrunning alternator pulley (OAP) or dampener (OAD)?

- A. Lack of proper charging
- B. Excessive belt wear
- C. Noise from the alternator
- D. Overheating of the alternator

3. What is the typical resistance range for the slip rings on a CS-130 rotor?

- A. 0.5 to 1.5 ohms
- B. 2.2 to 3.5 ohms
- C. 4.0 to 6.0 ohms
- D. 7.0 to 9.0 ohms

4. What should the reading be when testing the rotor between the slip ring and the rotor shaft?

- A. 0 ohms
- B. 2 ohms
- C. Infinity
- D. 10 ohms

5. What does a Diagnostic Trouble Code C0800 indicate in a charging system?

- A. Low voltage output
- B. High voltage output
- C. Faulty alternator
- D. Defective battery

6. What is the purpose of using silicone heat transfer compound in alternator service?

- A. To lubricate moving parts
- B. To improve electrical conductivity
- C. To aid in heat dissipation
- D. To prevent corrosion

7. When testing an alternator positive cable voltage drop, what is the acceptable reading?

- A. 2 to 5 amperes
- B. Zero volts
- C. About 1 volt
- D. Less than 400 millivolts

8. What is a full-fielding test used for in older noncomputerized vehicles?
- A. To check the battery condition
  - B. To bypass the voltage regulator
  - C. To measure the alternator's amperage output
  - D. To test the alternator's belt tension
9. What is the typical symptom of a charging system not operating correctly?
- A. High battery voltage
  - B. Excessive alternator noise
  - C. Low charging voltage
  - D. Any of these
10. What is the likely result of a rusty connection at the alternator?
- A. Increased alternator output
  - B. Decreased battery life
  - C. Charging system malfunction
  - D. Overheating of the alternator

Automotive Technology 7th Edition

Chapter 52

Multiple Choice Quiz B

Answer Key

1. C

2. A

3. B

4. C

5. B

6. C

7. D

8. B

9. D

10. C