

Name \_\_\_\_\_

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

- 1) Technician A says that a wye-wound stator produces more maximum output than the same alternator equipped with a delta-wound stator. Technician B says that an alternator equipped with a delta-wound stator produces more maximum output than a wye-wound stator. Which technician is correct? 1) \_\_\_\_\_
  - A) Technician A only
  - B) Technician B only
  - C) Both technicians A and B
  - D) Neither technician A nor B
  
- 2) One horsepower is equal to \_\_\_\_\_ watts. 2) \_\_\_\_\_
  - A) 746
  - B) 500
  - C) 1050
  - D) None of these
  
- 3) 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. Which technician is correct? 3) \_\_\_\_\_
  - A) Technician A only
  - B) Technician B only
  - C) Both technicians
  - D) Neither technician
  
- 4) Technician A says that a magnetic field is created in the alternator rotor. Technician B says that alternator output is increased if the speed of the alternator is decreased. Which technician is correct? 4) \_\_\_\_\_
  - A) Technician A only
  - B) Technician B only
  - C) Both technicians A and B
  - D) Neither technician A nor B
  
- 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) Technician A says that two diodes are required for each stator winding lead. Technician B says that diodes change alternating current into direct current. Which technician is correct? 6) \_\_\_\_\_
  - A) Technician A only
  - B) Technician B only
  - C) Both technicians A and B
  - D) Neither technician A nor B

- 7) Alternator brushes are constructed from \_\_\_\_\_. 7) \_\_\_\_\_  
A) copper  
B) aluminum  
C) silver-copper alloy  
D) carbon
- 8) A magnetic field is created in the \_\_\_\_\_ in an alternator. 8) \_\_\_\_\_  
A) stator  
B) diodes  
C) rotor  
D) frame
- 9) Some alternators are cooled by engine coolant. 9) \_\_\_\_\_  
A) True  
B) False
- 10) The GM electrical power management system has 3 modes of operation. 10) \_\_\_\_\_  
A) True  
B) False

## Answer Key

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1) B

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2) A

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3) C

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4) A

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5) B

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6) C

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7) D

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8) C

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9) A

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10) B

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