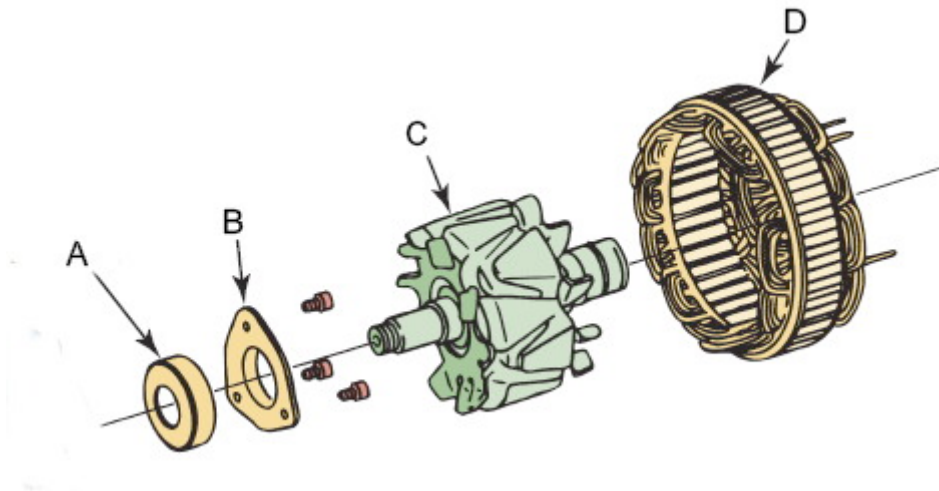


Name _____

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

- 1) An alternator stator with three windings usually has how many diodes? 1) _____
A) 2
B) 4
C) 6
D) 8
- 2) A duty cycle of 90% means the circuit is off most of the time. 2) _____
A) True
B) False
- 3) Alternator brushes are constructed from _____. 3) _____
A) Copper
B) Aluminum
C) Silver-copper alloy
D) Carbon
- 4) Current for the rotor flows through the brushes to the _____. 4) _____
A) Slip rings
B) Stator
C) Rotor
D) Regulator
- 5) Which of these components is the stator? 5) _____



- A) A
B) B
C) C
D) D

- 6) Some alternators are cooled by engine coolant. 6) _____
A) True
B) False
- 7) The output diodes in an alternator are mounted to which of these components? 7) _____
A) Stator
B) Rotor
C) Housing
D) Slip rings
- 8) Technician A says that two diodes are required for each stator winding lead. Technician B says that diodes change alternating current into direct current. 8) _____
A) A only
B) B only
C) Both A and B
D) Neither A nor B
- 9) Operating an alternator in a vehicle with a defective battery can harm the _____. 9) _____
A) Diodes (rectifier bridge)
B) Stator
C) Voltage regulator
D) Brushes
- 10) How much current flows through the alternator brushes? 10) _____
A) All of the alternator output flows through the brushes
B) 2-5
C) 25 to 35 A, depending on the vehicle
D) 10 to 15 A

Answer Key

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1) C

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2) B

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3) D

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4) A

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5) D

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6) A

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7) C

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8) C

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9) B

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10) B

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