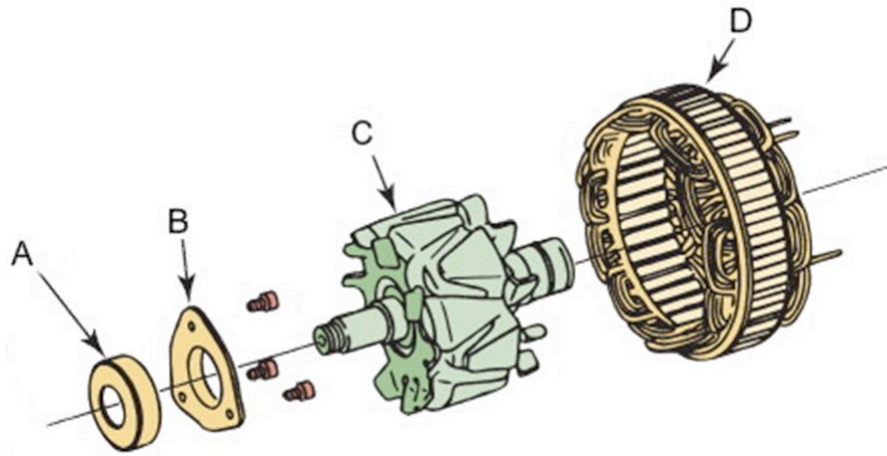


Name _____

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

1) Some alternators are cooled by engine coolant. 1) _____
A) True
B) False

2) Which of these components is the stator? 2) _____



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

3) The output diodes in an alternator are mounted to which of these components? 3) _____
A) Stator
B) Rotor
C) Housing
D) Slip rings

4) A magnetic field is created in the _____ in an alternator. 4) _____
A) stator
B) diodes
C) rotor
D) frame

5) An alternator stator with three windings usually has how many diodes? 5) _____
A) 2
B) 4
C) 6
D) 8

- 6) One horsepower is equal to _____ watts. 6) _____
A) 746
B) 500
C) 1050
D) None of these
- 7) Which of these facts is correct about a delta-wound stator? 7) _____
A) No neutral junction
B) No ground connection
C) The windings always form a series circuit
D) The circuit diagram looks like a parallelogram
- 8) On a vehicle using an electrical power management system (EPM) how is the current to the battery measured? 8) _____
A) With a Hall effect sensor
B) With an in-line ammeter
C) By using a custom voltmeter
D) By use of a duty-cycle sensor
- 9) Electronic voltage regulators use a temperature-sensitive resistor in the regulator circuit. This resistor, called a thermistor, provides lower resistance as the temperature _____. 9) _____
A) decreases
B) increases
C) stays the same
D) doubles
- 10) 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? 10) _____
A) Technician A only
B) Technician B only
C) Both technicians A and B
D) Neither technician A nor B

Answer Key

Testname: AEEP8_19A

1) A

Page Ref: 287

2) D

Page Ref: 282

3) C

Page Ref: 278

4) C

Page Ref: 281

5) C

Page Ref: 283

6) A

Page Ref: 279

7) A

Page Ref: 284

8) A

Page Ref: 288

9) B

Page Ref: 287

10) B

Page Ref: 283