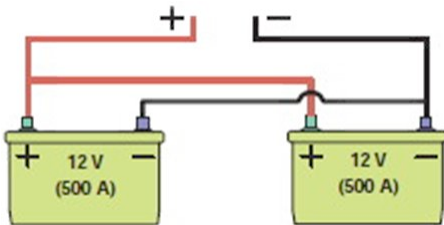


Name \_\_\_\_\_

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

- 1) Which of these is the most accurate test to determine the condition of a battery? 1) \_\_\_\_\_  
A) Open circuit voltage (OCV) test  
B) Hydrometer test  
C) Load or conductance test  
D) Voltage drop test
- 2) During the load testing, battery voltage should not drop below \_\_\_\_\_ volts. 2) \_\_\_\_\_  
A) 9.6  
B) 7.5  
C) 8.6  
D) 10.5
- 3) Technician A says that all battery connections should be inspected for corrosion. Technician B says that battery cables should be checked for corrosion and replaced as needed. Which technician is correct? 3) \_\_\_\_\_  
A) Technician A only  
B) Technician B only  
C) Both technicians  
D) Neither technician
- 4) When charging a lead-acid (flooded-type) battery, \_\_\_\_\_. 4) \_\_\_\_\_  
A) the initial charging rate should be about 35 amperes for 30 minutes  
B) the battery may not accept a charge for several hours, yet still be a good (serviceable) battery  
C) the battery temperature should not exceed 125°F (hot to the touch)  
D) All of the above are correct
- 5) What is the voltage of this battery pair when measured at the + and - cables? 5) \_\_\_\_\_



- A) 24 volts  
B) 12 volts  
C) 1000 volts  
D) 500 volts

- 6) When jump starting, \_\_\_\_\_.
- A) the last connection should be the positive post of the dead battery
  - B) the last connection should be the engine block of dead vehicle
  - C) the alternator must be disconnected on both vehicles
  - D) Both A and C
- 7) A type of electronic battery tester that does NOT place a load on the battery is called a(n) \_\_\_\_\_.
- A) VAT tester
  - B) conductance tester
  - C) load tester
  - D) ammeter tester
- 8) Technician A says that electronic conductance testing can determine CCA, state-of-charge, and voltage of the battery. Technician B says that electronic conductance testing determines if there is a bad cell and the battery is not serviceable and should be replaced. Which technician is correct?
- A) Technician A only
  - B) Technician B only
  - C) Both technicians A and B
  - D) Neither technician A nor B
- 9) Vehicles equipped with a diesel engine use two batteries that are connected in parallel to provide additional current at the same voltage. Technician A says to successfully test the batteries, they should be disconnected and tested separately. Technician B says that a fault in one battery has NO effect on the other battery. Who is right?
- A) Technician A only
  - B) Technician B only
  - C) Both technicians
  - D) Neither technician
- 10) Normal battery drain (parasitic drain) for a vehicle with many computer and electronic circuits is \_\_\_\_\_.
- A) 20 to 30 milliamperes
  - B) 2 to 3 amperes
  - C) 150 to 300 milliamperes
  - D) None of the above

## Answer Key

Testname: AEEP8\_16B

1) C

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2) A

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3) C

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4) D

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5) B

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6) B

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7) B

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8) C

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9) A

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10) A

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