

Name _____

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

- 1) Technician A says that NiMH batteries are an alkaline design. Technician B says that high-voltage battery packs are constructed using NiMH cells connected in parallel. Which technician is correct? 1) _____
 - A) Technician A
 - B) Technician B
 - C) Both Technicians
 - D) Neither Technician

- 2) What battery rating is tested at 32 deg F? 2) _____
 - A) Cold-cranking amperes (CCA)
 - B) Cranking amperes (CA)
 - C) Reserve capacity
 - D) Battery voltage test

- 3) Which type of battery is most used in hybrid electric vehicles? 3) _____
 - A) Nickel metal hydride
 - B) Lithium ion
 - C) Nickel cadmium
 - D) Sodium nickel chloride

- 4) Which batteries use solid electrolytes? 4) _____
 - A) Lithium-polymer
 - B) Lithium-ion
 - C) NiCd
 - D) NiMH

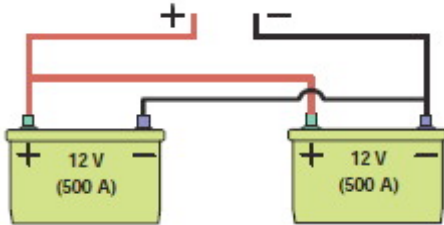
- 5) Technician A says that an AGM battery can be charged with any battery charger. Technician B says that an AGM battery requires a charger specially designed for charging AGM batteries. Who is correct? 5) _____
 - A) Technician A only
 - B) Technician B only
 - C) Both technician A and B
 - D) Neither technician A nor B

- 6) Which battery rating is expressed in minutes? 6) _____
 - A) Cold-cranking amperes
 - B) Cranking amperes
 - C) Reserve capacity
 - D) Battery voltage test

7) Caution is advised when working around lead-acid batteries because the battery may contain _____ gas. 7) _____

- A) Atmospheric
- B) Hydrogen
- C) Carbon
- D) Lead

8) What is the voltage of this battery pair when measured at the + and - cables? 8) _____



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

9) The reading on this DVOM means that the battery is _____. 9) _____



- A) OK
- B) Overheated
- C) Low on charge
- D) Not enough information

10) All of the following statements regarding NiMH batteries are true EXCEPT _____.

10) _____

- A) NiMH batteries can be housed in a steel container
- B) NiMH cells produce 3.6 volts
- C) NiMH batteries use potassium hydroxide for electrolyte
- D) NiMH batteries have excellent cycle life

Answer Key

Testname: AAEE_8A

1) A

Page Ref: 98

2) B

Page Ref: 92

3) A

Page Ref: 98

4) A

Page Ref: 102

5) A, B

Page Ref: 96

6) C

Page Ref: 92

7) B

Page Ref: 93

8) B

Page Ref: 91

9) C

Page Ref: 93

10) B

Page Ref: 98, 100