

Name _____

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

- 1) What is true regarding protective gloves worn during HV system service? 1) _____
 - A) Rubber gloves should be checked for leaks before each use
 - B) Leather gloves are worn over the rubber gloves to protect the rubber from damage
 - C) Both A and B
 - D) Neither A nor B

- 2) On a HEV that uses a "START" push button, what precaution should be taken when de-powering the vehicle? 2) _____
 - A) Make sure the key fob is at least 15 feet away from the vehicle
 - B) Make sure the key is somewhere inside the vehicle
 - C) Put the key fob in the trunk
 - D) No special precautions are needed

- 3) Technician A says that the high voltage cables may be repaired if damaged while lifting on a vehicle hoist. Technician B says that a paint oven does not get hot enough to damage high voltage cables or other hybrid components. Which technician is correct? 3) _____
 - A) Technician A only
 - B) Technician B only
 - C) Both technicians
 - D) Neither technician

- 4) Technician A says that DMMs are assigned CAT ratings based on voltage capacity alone. Technician B says that DMMs are rated according to their ability to handle potential electrical energy. Which technician is correct? 4) _____
 - A) Technician A only
 - B) Technician B only
 - C) Both technicians
 - D) Neither technician

- 5) Technician A says that when a hybrid electric vehicle must remain in the shop for over a month, the battery should be charged by running the vehicle if possible. Technician B says that if the battery unit must be removed, it should be handled with PPE and always tested for voltage and treated with care. Which technician is correct? 5) _____
 - A) Technician A only
 - B) Technician B only
 - C) Both technicians
 - D) Neither technician

- 6) What can occur if a hybrid electric vehicle is pushed in the shop? 6) _____
 - A) The HV battery pack can be damaged
 - B) The tires will be locked unless the ignition is on
 - C) Damage to the electronic controller can occur
 - D) High voltage will be generated by the motor/generator

- 7) Nickel metal hydride (NiMH) batteries can be damaged if exposed to temperatures higher than about _____. 7) _____
- A) 150°F
 - B) 175°F
 - C) 200°F
 - D) 225°F
- 8) How often should linesman's gloves be inspected by a qualified testing lab? 8) _____
- A) Every six months
 - B) Daily
 - C) Monthly
 - D) Yearly
- 9) Which of these is NOT a step in de-powering the high voltage system? 9) _____
- A) Remove the ignition key
 - B) Disconnect the 12 volt battery
 - C) Remove the ground interlock fuse
 - D) Remove the high voltage service plug
- 10) Servicing the base brakes on a hybrid vehicle requires the technician to _____. 10) _____
- A) Replace the pads when needed, just as on any other vehicle
 - B) Disconnect the brake regeneration cables
 - C) De-power and disconnect the HV battery
 - D) None of these

Answer Key

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1) C

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2) A

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3) D

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4) B

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5) C

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6) D

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7) A

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8) A

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9) C

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10) A

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