

Chapter 01 - Classroom Manual

Multiple Choice

1. Electric vehicles power the motor by:

- a. A generator.
- b. A battery pack.
- c. An engine.
- d. None of these choices.

ANSWER: a, b, c, d

Multiple Response

2. The charging system:

- a. Provides all electrical energy to operate the electrical system while the engine is running.
- b. Restores the energy to the battery after starting the engine.
- c. Uses the principle of magnetic induction to generate electrical power.
- d. All of these choices.

ANSWER: a, b, c, d

3. The memory seat system:

- a. Operates separately of the power seat system.
- b. Requires the vehicle to be moving before the seat position can be recalled.
- c. Allows for the driver to program different seat positions that can be recalled at the push of a button.
- d. Can only be equipped on vehicles with manual position seats.

ANSWER: a, b, c, d

Multiple Choice

4. The following are components of the starting system EXCEPT:

- a. The flywheel ring gear.
- b. Neutral safety switch.
- c. Harmonic balancer.
- d. Battery.

ANSWER: a, b, c, d

5. Which of the following is the most correct statement?

- a. Automotive electrical systems are interlinked with each other.
- b. All automotive electrical systems function the same on every vehicle.
- c. Manufacturers are required by Federal legislation to limit the number of computers used on today's vehicles.
- d. All of these choices.

ANSWER: a, b, c, d

6. Automotive horns operate on the principle of:

- a. Induced voltage.
- b. Depletion zone bonding.
- c. Frequency modulation.
- d. Electromagnetism.

ANSWER: a, b, c, d

7. The purpose of multiplexing is to:

- a. Increase circuit loads to a sensor.
- b. Prevent electromagnetic interference.
- c. Allow computers to share information.
- d. Prevent multiple system failures from occurring.

ANSWER: a, b, c, d

8. The following are true about the air bag system EXCEPT:

- a. It is an active system.
- b. It is a supplemental system.
- c. It is mandated by the federal government.
- d. Deployment is automatic.

ANSWER: a, b, c, d

9. Alternate propulsion systems include:

- a. Electric vehicles.
- b. Hybrid vehicles.
- c. Fuel cell vehicles.
- d. All of these choices.

ANSWER: a, b, c, d

10. Alternate propulsion vehicle systems may include all of the following except:

- a. Fuel cell vehicles
- b. Hydroelectric vehicles
- c. Hybrid vehicles
- d. Electric vehicles

ANSWER: a, b, c, d

11. The seat recall position on most memory seat systems is only allowed if:

- a. The vehicle is stationary.
- b. The vehicle transmission is in park.
- c. The engine is shut off.
- d. The parking brake is applied.

ANSWER: a, b, c, d

12. All of the following are true of the easy exit feature of memory seat systems EXCEPT:
- a. The system may move the steering wheel up.
 - b. It is an additional function on memory seat systems.
 - c. The driver's door is opened automatically.
 - d. The seat is moved all the way down and back when the vehicle is placed in park.

ANSWER: a, b, c, d