Name_____

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

 Technician A says that in a parallel hybrid design, only the electric motor is connected to the transmission. Technician B says that in a parallel hybrid design, the vehicle can be propelled by the electric traction motor, the internal combustion engine, or both. Which technician is correct? A) Technician A only B) Technician B only C) Both technicians D) Neither technician 	1)
 2) Which type of hybrid electric vehicle has idle stop operation? A) Strong hybrids only B) Strong, mild, and medium hybrids C) Mild hybrids only D) Medium hybrids only 	2)
 3) Technician A says that full hybrid electric vehicles need to be plugged into a standard AC electrical outlet to charge. Technician B says that the high voltage battery in an HEV uses a generator driven by the internal combustion engine for recharging. Which technician is correct? A) Technician A only B) Technician B only C) Both technicians D) Neither technician 	3)
 4) Which type of hybrid is capable of propelling the vehicle by just using the electric motor? A) BAS type B) Strong (full) hybrid C) Medium hybrid D) Mild hybrid 	4)
 5) About how fast does a motor-generator crank the internal combustion engine? A) About 1000 RPM B) About 2000 RPM C) About 150-300 RPM D) About 350-600 RPM 	5)
 6) Electric motors are better than an internal combustion engine to propel a vehicle because A) they produce high torque at low speeds B) they do not burn fuel and therefore do not release carbon dioxide into the environment C) they are quiet 	6)
D) All of the above are correct.	

 7) Technician A says that most hybrids require that they be plugged into an electrical outlet at night to provide the electrical power to help propel the vehicle. Technician B says that the internal combustion engine in an HEV will often stop running when the vehicle is stopped. Which technician is correct? A) Technician A only B) Technician B only C) Both technicians D) Neither technician 	7)
 8) Technician A says that most hybrids use the series hybrid design. Technician B says that most hybrids have 42 volt batteries. Which technician is correct? A) Technician A only B) Technician B only C) Both technicians D) Neither technician 	8)
9) In a series hybrid vehicle, the internal combustion engine drives the vehicle only when increased horsepower is needed.A) TrueB) False	9)
 10) Which type of motor or engine produces more torque at lower speed? A) Electric motor B) Gasoline motor C) Air motor 	10)

D) Hydro-generator

Answer Key Testname: AT6_91A

- 1) B Page Ref: 1047 2) B Page Ref: 1050-1051 3) B Page Ref: 1044 4) B Page Ref: 1051 5) A Page Ref: 1046 6) D Page Ref: 1051 7) B Page Ref: 1046 8) D Page Ref: 1046 9) B Page Ref: 1046
- 10) A

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