Name_____

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

 Some hybrid vehicles reduce the internal combustion engine's braking capacity during deceleration so that the regenerative braking is more efficient. This is done by A) closing the valves in some cylinders 	1)
B) releasing compression in some cylinders	
C) disabling the spark in some cylinders	
D) None of these	
2) The high voltage batteries are designed to be charged no more than	2)
A) 100 %	
B) 80 %	
C) 60 %	
D) None of these	
3) Kinetic energy is	3)
A) the energy that the driver exerts on the brake pedal	3)
B) the energy needed from the batteries to propel a vehicle	
C) the energy in any moving object	
D) the energy that the motor produces to propel the vehicle	
D) the energy that the motor produces to proper the vehicle	
4) Technician A says that the powertrain control module (PCM) or controller can control the	4)
voltage to the motor(s) in a hybrid electric vehicle. Technician B says that the PCM or controller	·
can control the electric motors by varying the frequency of the applied current. Which technician	
is correct?	
A) Technician A only	
B) Technician B only	
C) Both technicians A and B	
D) Neither technician A nor B	
5) In a Taylota Drive regenerative broking system have many program SWITCHES are used?	E)
5) In a Toyota Prius regenerative braking system, how many pressure SWITCHES are used? A) One	5)
B) Two	
C) Three	
D) Four	
6) Regenerative braking uses the inertia of the vehicle to recapture energy during braking. Where	6)
is this recaptured energy stored?	
A) In the 12 volt battery bank	
B) In the high voltage battery bank	
C) In the electrohydraulic master cylinder	
D) In large resistors	
7) Regenerative braking helps keep the HV battery charged to more than 90%.	7)
A) True	7)
B) False	

8) The hybrid vehicle electric motor is usually a(n) type motor.	8)
A) DC	
B) AC	
C) HVAC	
D) None of these	
9) During braking on a hybrid electric vehicle equipped with a regenerative braking system, what occurs when the driver depresses the brake pedal?	9)
A) The friction brakes are only used as a backup and not used during normal braking.	
B) The motors become generators.	
C) The driver needs to apply a braking lever instead of depressing the brake pedal to	
energize the regenerative braking system.	
D) The batteries are charged to 100 percent SOC.	
10) Which type of regenerative braking system uses an electrohydraulic system?	10)
A) Series	
B) Parallel	
C) Both Series and parallel	
D) Neither series nor parallel	

Answer Key Testname: CHASSIS8_21B

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