

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

- 1) When changing the brake pads on a Ford Escape hybrid, what precaution must be taken before removing the brake pads? 1) _____
- A) Always change the rear pads before changing the front pads
 - B) Only change one pad at a time
 - C) Block all 4 wheels
 - D) Use a scan tool to enter Pad Service Mode

- 2) In a Toyota Prius regenerative braking system, how many pressure SENSORS are used? 2) _____
- A) One
 - B) Two
 - C) Three
 - D) Four

TRUE/FALSE. Write 'T' if the statement is true and 'F' if the statement is false.

- 3) The brake master cylinder used on a hybrid and non-hybrid vehicle are the same. 3) _____

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

- 4) Technician A says that a front wheel drive hybrid electric vehicle can only generate electricity during braking from the front wheel motor(s). Technician B says that antilock braking (ABS) is not possible with a vehicle equipped with a regenerative braking system. Who is correct? 4) _____
- A) Technician A only
 - B) Technician B only
 - C) Both technicians
 - D) Neither technician

- 5) What position is the throttle pedal in during regenerative braking? 5) _____
- A) The throttle is ignored
 - B) Fully lifted
 - C) About 10%
 - D) None of these

- 6) Kinetic energy is _____. 6) _____
- A) The energy needed from the batteries to propel a vehicle
 - B) The energy that the motor produces to propel the vehicle
 - C) The energy that the driver exerts on the brake pedal
 - D) The energy in any moving object

- 7) The hybrid vehicle electric motor is usually a(an) _____ type motor. 7) _____
- A) AC
 - B) HVAC
 - C) DC
 - D) None of these

- 8) In a Toyota Prius regenerative braking system, how many pressure SWITCHES are used? 8) _____
- A) One
 - B) Two
 - C) Three
 - D) Four

TRUE/FALSE. Write 'T' if the statement is true and 'F' if the statement is false.

- 9) Regenerative braking helps keep the HV battery charged to more than 90%. 9) _____

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

- 10) In the Toyota Prius, which controller is responsible for regenerative braking control? 10) _____
- A) The Hybrid ECU
 - B) The body control module (BCM)
 - C) The ABS ECU
 - D) The engine ECU