

Name _____

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

- 1) Which type of hybrid vehicle cannot propel a vehicle from a stop using electric motor power alone? 1) _____
 - A) Mild hybrid
 - B) Medium hybrid
 - C) Strong hybrid
 - D) Both A and B

- 2) A Toyota hybrid is what type of hybrid? 2) _____
 - A) Series
 - B) Series/Parallel
 - C) Parallel
 - D) None of these

- 3) The Ford Escape Hybrid HV system calls the HV battery a(an) _____. 3) _____
 - A) Mercon battery
 - B) Tractor battery
 - C) Traction battery
 - D) Attractive battery

- 4) All of the following statements concerning power-split transaxles are true EXCEPT _____. 4) _____
 - A) The ICE and motor-generators are all connected through a planetary gear set
 - B) One of the planetary members must be held to make the power-split transaxle work
 - C) The power-split transaxle can operate in electric mode only
 - D) Power-split transaxle systems do not use a separate starter motor

- 5) Where are the two electric motors located in a General Motors two-mode hybrid vehicle? 5) _____
 - A) One in the transmission and one in front of the torque converter
 - B) Both inside the transmission
 - C) One in the transmission and one in the rear axle
 - D) One in the front axle and one in the rear axle

- 6) During light acceleration, the Toyota power-split system motor/generator 1 (MG1) is _____. 6) _____
 - A) Disconnected
 - B) Turning backwards
 - C) Turning forward
 - D) Locked in place

- 7) When refilling a hybrid inverter cooling system what tool is recommended? 7) _____
 - A) A pressure bleeder
 - B) Coolant injector
 - C) Vacuum fluid exchange machine
 - D) A long funnel

- 8) On a Honda hybrid vehicle, a flashing "D" in the transmission range display means _____. 8) _____
- A) Excessive acceleration
 - B) There is a transmission malfunction
 - C) It is time for an upshift
 - D) The vehicle is NOT in reverse
- 9) In the General Motors 2-mode transmission what is mode 1 used for? 9) _____
- A) Move the vehicle from standstill to 2nd gear
 - B) Only used in reverse
 - C) Mode one operates in cold weather
 - D) None of these
- 10) In a Toyota power-split system, when the planetary ring gear is not moving _____. 10) _____
- A) The vehicle is not moving
 - B) The vehicle is in reverse
 - C) There is a fault
 - D) None of these

Answer Key

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1) D

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2) B

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3) C

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4) B

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5) B

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6) B

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7) C

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8) B

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9) A

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10) A

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