

Name _____

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

- 1) On a Honda hybrid vehicle a flashing "D" in the transmission range display means _____. 1) _____
 - A) Excessive acceleration
 - B) There is a transmission malfunction
 - C) It is time for an upshift
 - D) The vehicle is NOT in reverse

- 2) Which component listed below is NOT a part of a hybrid vehicle front-wheel drive transaxle? 2) _____
 - A) Transmission
 - B) Differential
 - C) Final drive gear ratio
 - D) All of these are included in a FWD transaxle

- 3) In a Toyota/Lexus hybrid vehicle, how is reverse achieved? 3) _____
 - A) The ICE reverses direction and powers the drive wheels
 - B) MG2 is used to power the vehicle in reverse
 - C) MG1 is used to power the vehicle in reverse
 - D) Either B or C, depending on the exact model and year

- 4) Technician A says that gear reduction requires a smaller drive gear than driven gear. Technician B says that overdrive requires a smaller drive gear than driven gear. Which technician is correct? 4) _____
 - A) Technician A only
 - B) Technician B only
 - C) Both technicians
 - D) Neither technician

- 5) When torque is increased in a transmission, how does this affect the transmission output speed? 5) _____
 - A) Decreased speed
 - B) Increased speed
 - C) The speed stays the same
 - D) None of these

- 6) Technician A says that automatic transmissions use hydraulic pressure to apply and release friction components inside the transmission. Technician B says that HEVs use electric pumps to circulate transmission fluid with the internal combustion engine is in idle-stop mode. Which technician is correct? 6) _____
 - A) Technician A only
 - B) Technician B only
 - C) Both technicians
 - D) Neither technician

- 7) In the Honda belt-and-pulley CVT, how does the belt propel the vehicle? 7) _____
 - A) Pushes
 - B) Pulls

- 8) The transmission control module is responsible for what functions? 8) _____
- A) Transmission fluid line pressure
 - B) Transmission shift points
 - C) Shift quality
 - D) All of these are correct
- 9) In the General Motors 2-mode transmission what is mode one 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) The period of torque converter operation where the turbine is turning at 90% of the impeller (pump) speed is known as _____. 10) _____
- A) Coupling phase
 - B) Vortex flow
 - C) Torque converter lockup
 - D) Torque multiplication

Answer Key

Testname: HYBRID4_11A

1) B

Page Ref: 166

2) D

Page Ref: 152

3) B

Page Ref: 170

4) A

Page Ref: 154

5) A

Page Ref: 153

6) C

Page Ref: 158-160

7) A

Page Ref: 175

8) D

Page Ref: 158

9) A

Page Ref: 162

10) A

Page Ref: 156