

Name _____

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

- 1) When torque is increased in a transmission, how does this affect the transmission output speed? 1) _____
 - A) Decreased speed
 - B) Increased speed
 - C) The speed stays the same
 - D) None of these

- 2) The transmission control module is responsible for what functions? 2) _____
 - A) Transmission fluid line pressure
 - B) Transmission shift points
 - C) Shift quality
 - D) All of these are correct

- 3) The period of torque converter operation where the turbine is turning at 90% of the impeller (pump) speed is known as _____. 3) _____
 - A) Coupling phase
 - B) Vortex flow
 - C) Torque converter lockup
 - D) Torque multiplication

- 4) What has been used to increase the efficiency of automatic transmissions? 4) _____
 - A) Lockup torque converter
 - B) Electronic controls that compensate for wear in friction components
 - C) Continuously variable transmissions that allow the internal combustion engine to remain in an RPM range for peak torque efficiency
 - D) All of these increase the efficiency of automatic transmissions.

- 5) In a Toyota/Lexus hybrid vehicle, how is reverse achieved? 5) _____
 - 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

- 6) On a Honda hybrid vehicle a flashing "D" in the transmission range display means _____. 6) _____
 - A) Excessive acceleration
 - B) There is a transmission malfunction
 - C) It is time for an upshift
 - D) The vehicle is NOT in reverse

- 7) When the Honda belt/pulley CVT transmission is in neutral _____ of the three clutches are applied. 7) _____
 - A) One
 - B) Two
 - C) Three
 - D) None

- 8) The Ford eCVT transmission is similar to the Toyota power-split EXCEPT that _____. 8) _____
- A) It uses automatic transmission fluid
 - B) It uses only one motor
 - C) The motors are placed one above the other
 - D) None of these
- 9) In a Toyota power-split system, when the planetary ring gear is not moving _____. 9) _____
- A) The vehicle is not moving
 - B) The vehicle is in reverse
 - C) There is a fault
 - D) None of these
- 10) 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? 10) _____
- A) Technician A only
 - B) Technician B only
 - C) Both technicians
 - D) Neither technician

Answer Key

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- 1) A
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- 2) D
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- 3) A
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- 4) D
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- 5) B
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- 6) B
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- 7) D
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- 8) C
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- 9) A
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- 10) C
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