Automatic Transmissions and Transaxles 8th Edition
Chapter 10
Multiple Choice Quiz B

Name: _____ Date: _____

1. The transmission range (TR) switch, also known as the manual lever position (MLP) sensor, is used to:
A. Control the transmission's response to gear shifting
B. Monitor and adjust the transmission fluid pressure
C. Indicate the selected drive range to the TCM
D. Detect and report any transmission malfunctions

2. What is torque management in the context of electronic transmission controls?
A. Managing the vehicle's torque output during acceleration
B. Controlling the torque converter lockup mechanism
C. Adjusting ignition timing during shifts for smoother performance
D. Regulating the torque output of the engine for fuel efficiency

3. The Line Pressure Solenoid in a transmission is responsible for:
A. Controlling the transmission fluid flow
B. Regulating the pressure within the transmission
C. Monitoring the transmission fluid temperature
D. Adjusting the vehicle's driving torque

4. In electronic transmissions, what is the function of the TCC Solenoid?
A. To control the throttle position
B. To manage the torque converter clutch
C. To adjust the transmission's gear ratios
D. To monitor the engine's RPM

5. What type of memory is ROM (Read-Only Memory) in a TCM?
A. Temporary memory cleared with each vehicle start
B. Permanent memory that can be reprogrammed
C. Memory that stores vehicle-specific settings
D. Memory that can be read but not written to by the TCM

6. The TCM uses input from various sensors to determine:
A. The optimal engine fuel mixture
B. The best shift points and line pressure
C. The vehicle's current speed
D. The external temperature for climate control

7. What type of signal does a frequency generator sensor typically create?
A. AC signal relative to speed
B. DC signal relative to temperature
C. Variable resistance signal
D. On-off digital signal

8. A potentiometer in a vehicle's electronic system is used to:
A. Generate electrical power
B. Convert AC to DC
C. Store electrical energy
D. Alter electrical resistance

9. In electronic transmission controls, what is the purpose of a switch sensor?
A. To provide an on-off signal
B. To measure temperature changes
C. To generate voltage
D. To detect fluid pressure variations

10. Solenoids in a vehicle's transmission are primarily used to:
A. Control electrical current flow
B. Convert mechanical force to electrical signals
C. Regulate fluid flow and pressure
D. Measure the speed of transmission shafts

Automatic Transmissions and Transaxles 8th Edition
Chapter 10
Multiple Choice Quiz B
Answer Key

1. C

2. C

3. B

4. B

5. D

6. B

7. A

8. D

9. A

10. C