

Automatic Transmissions and Transaxles 8th Edition

Chapter 14

Multiple Choice Quiz B

Name: _____ Date: _____

1. The Fork Position Sensors in a dual clutch transmission provide information on:
 - A. The position of the gear shift levers
 - B. The temperature of the transmission fluid
 - C. The pressure within the transmission system
 - D. The speed of the input shaft

2. In a dual clutch transmission, what does the Clutch Pressure Cut (CPCUT) valve do?
 - A. Controls the cooling flow to the clutches
 - B. Acts as a safety valve for pressure dumping
 - C. Shifts between even and odd gears
 - D. Monitors the transmission oil temperature

3. How is the clutch fluid temperature measured in a dual clutch transmission?
 - A. With a pressure sensor
 - B. Through a resistance-based sensor
 - C. By a mechanical gauge
 - D. Using a thermocouple

4. A Shift Select Solenoid (SHSS1) in a dual clutch transmission is responsible for:
 - A. Controlling shifting for gearshift fork 1 and 3
 - B. Measuring the speed of the output shaft
 - C. Regulating the temperature of the transmission fluid
 - D. Monitoring the position of the steering wheel

5. What is the role of the Engine RPM Sensor in a dual clutch transmission?
 - A. To control the air conditioning system
 - B. To provide engine RPM data to the TCM
 - C. To monitor the transmission fluid level
 - D. To regulate the clutch engagement

6. The Transmission Control Module (TCM) in a dual clutch system primarily operates:
 - A. The vehicle's braking system
 - B. The engine's fuel injection system
 - C. Shift solenoids for gear selection
 - D. The steering mechanism

7. In a dual clutch transmission, what happens when the Clutch Shift Pressure Solenoid (CSPS2) is activated?
 - A. The transmission fluid is cooled
 - B. Hydraulic pressure is controlled for even clutch or shifting
 - C. The vehicle's speed is adjusted
 - D. The engine's RPM is regulated

8. The Speed Sensor for input shaft even gears in a dual clutch transmission provides information on:

- A. The speed of the vehicle
- B. RPM after the C2 clutch for even gears
- C. The temperature of the transmission fluid
- D. The pressure in the hydraulic system

9. A dual clutch automatic transmission is also referred to as:

- A. A direct shift gearbox (DSG)
- B. A manual transmission
- C. A continuously variable transmission (CVT)
- D. A traditional automatic transmission

10. In a dual clutch transmission, what is the purpose of using temperature sensors?

- A. To control the air conditioning system
- B. To monitor and control clutch and transmission fluid temperatures
- C. To measure external environmental conditions
- D. To regulate the engine's temperature

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Answer Key

1. A

2. B

3. D

4. A

5. B

6. C

7. B

8. B

9. A

10. B