

Automatic Transmissions and Transaxles 8th Edition

Chapter 11

Multiple Choice Quiz B

Name: \_\_\_\_\_ Date: \_\_\_\_\_

1. In the GM/Ford 10-speed transmission, how many planetary gearsets are used?

- A. Four
- B. Eight
- C. Ten
- D. Three

2. In a GM/Ford 10-speed transmission, how is the first gear achieved?

- A. Engaging clutch C only
- B. Engaging both brakes A and B
- C. Engaging brakes A, B, D, and E
- D. Engaging brake A only

3. On a GM 9-speed Transaxle, which version has the highest torque capacity?

- A. 9T30
- B. 9T65
- C. 6T41
- D. 9T60

4. What is the ratio for the 9th gear in a GM/Ford 10 speed transmission?

- A. 0.689:1
- B. 0.789:1
- C. 0.889:1
- D. 0.589:1

5. What clutches are applied in first gear in the GM 8-speed transmission?

- A. 1-3-5-6-7 clutch
- B. 1-2-7-8 reverse clutch
- C. 1-2-3-4-5 reverse clutch
- D. All of these

6. How is the ZF 8-speed transmission modified for use in a hybrid application?

- A. An electric motor replaces the torque converter
- B. Magnets are added to the torque converter
- C. Two clutches are replaced by electric motors
- D. None of these

7. How many pressure control solenoids does the Honda 10-speed transaxle use?

- A. Four
- B. Six
- C. Eight
- D. Twelve

8. On the Honda 10-speed transaxle, where is the fluid temperature sensor located?

- A. In the side cover
- B. On top of the valve body
- C. The underside of the valve body
- D. Near the input shaft

9. What is the torque capacity of the ZF 8HP90 8-speed transmission?

- A. 800 Nm
- B. 900 Nm
- C. 1000 Nm
- D. 1356 Nm

10. In the ZF 8-speed transmission, what is the ratio for 7th gear in the 8HP70 model?

- A. 0.84:1
- B. 0.82:1
- C. 1.00:1
- D. 1.29:1

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Answer Key

1. A

2. C

3. B

4. A

5. D

6. A

7. C

8. C

9. B

10. A