

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

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

1. What is the result when any two elements of a planetary gear set are locked together?
  - A. The output is 0:1
  - B. The output is 1:0
  - C. The output is 1:1
  - D. The output is variable
  
2. When the automatic transmission/transaxle shifts into overdrive, what happens to the output shaft in relation to the engine crankshaft?
  - A. It rotates at the same RPM
  - B. It rotates at a lower RPM
  - C. It rotates at a higher RPM
  - D. It stops rotating
  
3. What does an overdrive ratio signify?
  - A. The first number is greater than 1
  - B. The first number is less than 1
  - C. The first number is equal to 1
  - D. The first number is 0
  
4. Which component in the torque converter is responsible for multiplying engine torque?
  - A. Stator
  - B. Impeller
  - C. Turbine
  - D. Converter clutch
  
5. What is the primary purpose of the lock-up part of the torque converter?
  - A. To increase vehicle performance by allowing more torque multiplication
  - B. To allow the transmission/transaxle to shift faster
  - C. To increase fluid pressure in the transmission/transaxle
  - D. To improve fuel economy by eliminating slippage
  
6. Which component drives the transmission input shaft in a torque converter?
  - A. The impeller
  - B. The turbine
  - C. The stator
  - D. The converter clutch
  
7. In a planetary gear set, what is the held member also known as?
  - A. The drive member
  - B. The driven member
  - C. The output member
  - D. The reaction member

8. What is the typical configuration of transmission gear sets in terms of the number of planet pinions?

- A. One or two
- B. Three or four
- C. Five or six
- D. Seven or more

9. In a planetary gear set, what happens when one of the members is driven (input)?

- A. The other members do not rotate
- B. The other members rotate in opposite directions
- C. The other members rotate in the same direction
- D. The other members lock

10. What is the function of the neutral position in an automatic transmission/transaxle?

- A. To allow the engine to be started by the driver
- B. To transmit torque through the transmission
- C. To prevent the engine from starting
- D. To engage the parking brake

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Multiple Choice Quiz A

Answer Key

1. C

2. C

3. B

4. A

5. D

6. B

7. D

8. B

9. C

10. A