

Name: _____

Date: _____

1. What is the primary fluid used in current-model automatic transmissions?
 - A. SAE 0W-20 engine oil dyed red
 - B. Non-friction modified ATF
 - C. Friction modified ATF
 - D. Highly friction modified ATF

2. Which type of pump is commonly used in many automatic transmissions/transaxles?
 - A. Fixed displacement pump
 - B. Variable displacement pump
 - C. Centrifugal pump
 - D. Gear pump

3. The automatic transmission/transaxle fluid (ATF) cooler serves what additional function besides cooling the ATF?
 - A. Warming the ATF when cold
 - B. Filtering the ATF
 - C. Adding lubrication to the ATF
 - D. Increasing the ATF pressure

4. In an automatic transmission, if the vehicle is operating in one gear only and will not shift, this indicates:
 - A. The transmission is in limp-in mode
 - B. The transmission is operating normally
 - C. The transmission fluid level is low
 - D. The transmission fluid level is too high

5. Force motors in an automatic transmission are controlled by:
 - A. Increasing/decreasing current (amperes)
 - B. PWM (Pulse Width Modulation)
 - C. Increasing/decreasing voltage
 - D. Changing the resistance in the circuit

6. What are the two types of one-way clutches used in automatic transmissions?
 - A. Sprag and roller
 - B. Roller and ball
 - C. Sprag and pawl
 - D. Ball and pawl

7. In a planetary gear set, what is the part called that is held by a band?
 - A. Reaction member
 - B. Compound gear set
 - C. Simple gear set
 - D. Held member

8. What is the primary purpose and function of an accumulator in an automatic transmission?

- A. To apply a clutch
- B. To apply a band
- C. To cushion or dampen pressure surges
- D. To increase hydraulic pressure

9. Check balls used in the valve body of an automatic transmission are constructed of:

- A. Steel
- B. Nylon
- C. Rubber
- D. Any of the above

10. The default or limp-in gear in an automatic transmission is usually:

- A. First gear
- B. Second gear
- C. Third gear
- D. Fourth gear

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Chapter 130

Multiple Choice Quiz A

Answer Key

1. C

2. B

3. A

4. A

5. B

6. A

7. A

8. C

9. D

10. B