Automotive Technology 6th Edition
Chapter 127 - Manual Transmission/Transaxles
Quiz 127B

D) Neither A nor B

ne		
ULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question.		
 1) Which part of a synchronizer is splined to a shaft? A) Synchronizer sleeve B) Hub C) Synchronizer blocker ring D) Speed gear 	1)	
2) What gear is engaged in this transmission?	2)	
A) 1st gear B) 2nd gear		
C) 3rd gear D) Reverse		
 3) What is the purpose and function of a transmission? A) Allows the engine to accelerate the vehicle B) Allows engine speed to be reduced at higher speeds to save fuel C) Allows the vehicle to accelerate up a hill D) All of the above 	3)	
 4) The free rotating gears on the main shaft of a RWD manual transmission are gears. A) floating B) fixed C) hypoid D) speed 	e called 4)	
5) A five-speed transmission is in third gear. Which is correct?A) The 1-2 synchronizer is in neutral.B) The 3-4 synchronizer is moved to engage third gear.C) Both A and B	5)	

6) The detent mechanism inside a transmission is used to	6)
A) locate the synchronizer sleeves in the correct position	
B) prevent more than one shift fork from moving at one time	
C) both A and B	
D) neither A nor B	
7) The type of gears used in a transmission include	7)
A) spur gears	- /
B) helical gear	
C) external gears	
D) all of the above	
b) and of the above	
9) The elector coor is supported by	0)
8) The cluster gear is supported by	8)
A) bushings B) roller bearings between the counterplaft and the case	
B) roller bearings between the countershaft and the case C) either A and B	
D) neither A nor B	
D) heither A hor b	
	0)
9) A rear-wheel drive 5-speed manual transmission is being discussed. What is the gear ratio when	9)
the transmission is in 4th gear?	
A) 1.5 to 1	
B) 1 to 1	
C) 3 to 1	
D) 8 to 1	
	4.0)
10) A four-speed transmission is making a grinding noise only while shifting into second gear. This	10)
could be caused by	
A) a damaged main drive gear	
B) a faulty 1-2 synchronizer sleeve	
C) either A or B	
D) neither A nor B	

Answer Key

Testname: AT6_127B

- 1) B
 - Page Ref: 1588
- 2) C
- Page Ref: 1591
- 3) D
 - Page Ref: 1582
- 4) D
 - Page Ref: 1587
- 5) C
 - Page Ref: 1591
- 6) A
- Page Ref: 1587
- 7) D
 - Page Ref: 1582-1583
- 8) B
 - Page Ref: 1587
- 9) B
 - Page Ref: 1591
- 10) B
 - Page Ref: 1595