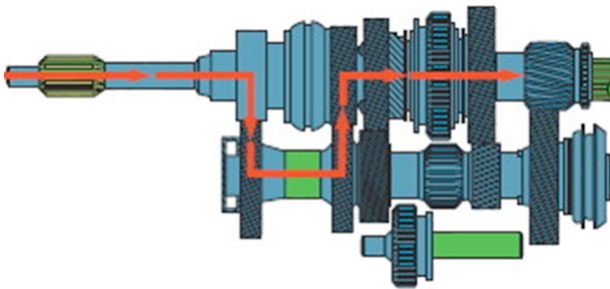


Name _____

MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question.

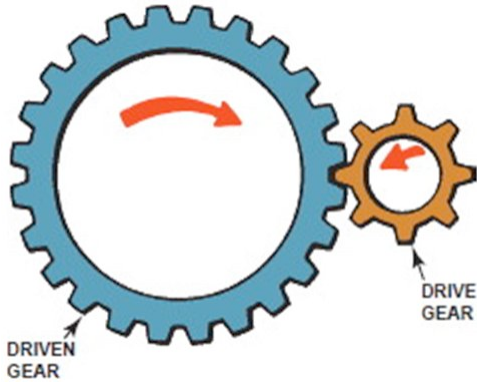
- 1) Which part of a synchronizer is splined to a shaft? 1) _____
A) Synchronizer sleeve
B) Hub
C) Synchronizer blocker ring
D) Speed gear
- 2) The detent mechanism inside a transmission is used to _____. 2) _____
A) locate the synchronizer sleeves in the correct position
B) prevent more than one shift fork from moving at one time
C) both A and B
D) neither A nor B
- 3) A five-speed transmission is in fourth gear. Which is correct? 3) _____
A) There is a 1:1 gear ratio.
B) The 3-4 synchronizer has engaged the input shaft gear.
C) Both A and B
D) Neither A nor B
- 4) The driving gear has 15 teeth and the driven gear has 29 teeth. Technician A says that the output gear will be going faster than the input gear. Technician B says the ratio is 3.86:1. Which technician is correct? 4) _____
A) Technician A only
B) Technician B only
C) Both technicians
D) Neither technician
- 5) What gear is engaged in this transmission? 5) _____



- A) 1st gear
B) 2nd gear
C) 3rd gear
D) Reverse

6) What is the gear ratio of this gear set?

6) _____



- A) 2 to 1
- B) 3 to 1
- C) .33 to 1
- D) None of these

7) A rear-wheel drive 5-speed manual transmission is being discussed. What is the gear ratio when the transmission is in 4th gear?

7) _____

- A) 1.5 to 1
- B) 1 to 1
- C) 3 to 1
- D) 8 to 1

8) When one synchronizer is shifted into gear, the movement of the other shifter forks is blocked by the _____.

8) _____

- A) detents
- B) interlocks
- C) both A and B
- D) neither A nor B

9) A five-speed transmission is in third gear. Which is correct?

9) _____

- A) The 1-2 synchronizer is in neutral.
- B) The 3-4 synchronizer is moved to engage third gear.
- C) Both A and B
- D) Neither A nor B

10) Technician A says that snap rings are used to hold many components of a manual transmission/transaxle. Technician B says that snap rings have a "right side" that should always face up so that the snap ring pliers can be applied. Which technician is correct?

10) _____

- A) Technician A only
- B) Technician B only
- C) Both technicians
- D) Neither technician

Answer Key

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1) B

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2) A

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3) C

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4) D

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5) C

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6) B

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7) B

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8) B

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9) C

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10) C

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