

Name: _____ Date: _____

1. What is the purpose of the shift forks in a manual transmission?
 - A. To control shifts toward the speed gears
 - B. To multiply engine torque
 - C. To lock the input shaft drive gear to the output shaft
 - D. To provide a structural member of the drive train

2. Which component is responsible for the gear reduction in a manual transmission?
 - A. The input shaft
 - B. The countershaft
 - C. The synchronizer assembly
 - D. The shift lever

3. What is the function of the output shaft in a manual transmission?
 - A. To support the clutch throwout bearing
 - B. To transmit engine torque to the drive shaft
 - C. To provide the main gear reduction
 - D. To control the shift forks

4. What is the role of the transmission case?
 - A. To house the internal parts and provide structural support
 - B. To multiply the engine torque
 - C. To lock the speed gear to the output shaft
 - D. To support the input shaft bearing

5. What is the function of the front bearing retainer in a manual transmission?
 - A. To support the clutch throwout bearing
 - B. To provide gear reduction
 - C. To lock the input shaft drive gear to the output shaft
 - D. To control the shift forks

6. What is the purpose of the extension housing in a manual transmission?
 - A. To house the shift cover assembly
 - B. To provide a structural member of the drive train
 - C. To support the input shaft bearing
 - D. To transmit engine torque to the drive shaft

7. What is the function of the shift cover assembly in a manual transmission?
 - A. To support the clutch throwout bearing
 - B. To provide gear reduction
 - C. To house the shift mechanism
 - D. To lock the speed gear to the output shaft

8. What is the significance of the gear ratios in a manual transmission?
- A. It determines the distance between the mainshaft and countershaft
 - B. It indicates the torque capacity of the transmission
 - C. It affects the multiplication of engine torque
 - D. It specifies the type of lubricant required
9. What is an overdrive ratio in the context of manual transmissions?
- A. A gear set that provides direct drive
 - B. A gear set that reduces engine speed at higher vehicle speeds
 - C. A gear set that increases engine torque for acceleration
 - D. A gear set that is used to engage the reverse gear
10. What is the purpose of the main gear (also known as the clutch gear or main drive pinion assembly)?
- A. To support the clutch throwout bearing
 - B. To provide gear reduction
 - C. To transmit engine torque to the cluster gear
 - D. To house the shift mechanism

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Multiple Choice Quiz B

Answer Key

1. A

2. B

3. B

4. A

5. A

6. D

7. C

8. C

9. B

10. C