

Name _____

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

- 1) A static shift test is performed with the engine _____. 1) _____
 - A) Not running
 - B) Running, but still cold
 - C) Off and the transmission removed
 - D) Running at a steady idle

- 2) All of the following should be observed carefully when checking bearings except _____. 2) _____
 - A) Bearings should be air-dried by spinning them with compressed air
 - B) A rough bearing should be cleaned, dried, and rechecked
 - C) A bearing is checked by rotating it feel and listen for roughness
 - D) Bearing should be lightly oiled before checking.

- 3) A transaxle shifts easily into all the gears with the engine shut off, but with the engine running the shifts into all forward gears are hard and there is a clash when shifting into reverse. Technician A says that this problem could be caused by a worn shift fork. Technician B says that there could be worn countershaft bearings. Which technician is correct? 3) _____
 - A) Technician A only
 - B) Technician B only
 - C) Both technicians
 - D) Neither technician

- 4) When installing a bearing over a shaft, where should the force be applied? 4) _____
 - A) On the outer (outside) race
 - B) On the inner (inside) race
 - C) On both the inner and outer races
 - D) On the ball bearings themselves

- 5) If a fault is found with a synchronizer hub (too tight of a fit), what should be done? 5) _____
 - A) Polish the hub and reuse it
 - B) Replace the complete synchronizer assembly
 - C) Heat and then chill the hub and re-check
 - D) Replace the synchronizer sleeve

- 6) "Rust dust" is an indication of what fault? 6) _____
 - A) Broken blocker rings
 - B) Worn steel parts such as U-joints
 - C) A slipping clutch
 - D) Fluid leak

- 7) A transmission is noisy when driving in most gears. What is the most likely cause? 7) _____
 - A) A clutch that is not fully released
 - B) Worn or defective bearings
 - C) Defective synchronizer blocker ring(s)
 - D) Worn shift fork

- 8) Technician A says that improper transmission fluid can be the cause of excessive shift effort during the dynamic shift test. Technician B says that worn or defective clutch components could be the cause of excessive shift effort during the dynamic shift test. Which technician is correct? 8) _____
- A) Technician A only
 - B) Technician B only
 - C) Both technicians
 - D) Neither technician
- 9) Technician A says that all gears with chips on their teeth should be replaced. Technician B says that burrs on the clutching teeth can be cleaned up using a small grinder. Which technician is correct? 9) _____
- A) Technician A only
 - B) Technician B only
 - C) Both technicians
 - D) Neither technician
- 10) An engine support fixture is usually required when removing a _____. 10) _____
- A) Transaxle
 - B) Transmission
 - C) Both A and B
 - D) Neither A nor B

Answer Key

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1) A

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2) A

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3) D

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4) B

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5) B

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6) B

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7) B

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8) C

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9) B

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10) A

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