

Manual Drivetrains and Axles 9th Edition
Chapter 11
Multiple Choice Quiz A

Name: _____ Date: _____

1. What is Brinelling in bearing systems?
 - A. A type of bearing
 - B. A method of lubrication
 - C. Damage caused by impact loads or vibration
 - D. A specialized tool for bearing installation

2. Reluctor teeth in a bearing/hub assembly are primarily used by:
 - A. The wheel speed sensor
 - B. The air conditioning system
 - C. The braking system
 - D. The suspension system

3. Overloading a vehicle can lead to:
 - A. Improved performance
 - B. Bearing failure
 - C. Increased fuel efficiency
 - D. Enhanced steering control

4. The standardization of bearing sizes helps in:
 - A. Reducing vehicle weight
 - B. Enhancing fuel efficiency
 - C. Increasing speed capabilities
 - D. Interchangeability of parts

5. Sealed front-wheel-drive bearings are characterized by:
 - A. High adjustability
 - B. The need for frequent lubrication
 - C. Being nonadjustable and sealed
 - D. Compatibility with all vehicle types

6. A common symptom of a defective wheel bearing is:
 - A. Increased acceleration
 - B. A hum or rumbling noise increasing with speed
 - C. Improved braking
 - D. Decreased fuel consumption

7. Which type of bearings can control thrust movement of an axle shaft?
 - A. Needle roller bearings
 - B. Tapered roller bearings
 - C. Ball bearings
 - D. Both B and C

8. The primary function of antifriction bearings is to:

- A. Increase vehicle speed
- B. Reduce friction
- C. Enhance vehicle aesthetics
- D. Decrease vehicle weight

9. Roller bearings are used to:

- A. Support light loads
- B. Reduce vehicle height
- C. Reduce friction between rotating parts
- D. Increase the speed of the vehicle

10. Greases used in bearings are named for their:

- A. Color
- B. Viscosity
- C. Thickening agent
- D. Manufacturer

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Answer Key

1. C

2. A

3. B

4. D

5. C

6. B

7. D

8. B

9. C

10. C