Automotive Technology 7th Edition
Chapter 96: Brake Fluid, Lines, and Bleeding
Short Answer Quiz

Name: _____ Date: _____

1. Describe the properties of brake fluid and explain why these properties are critical for the operation of a hydraulic brake system.

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2. Explain the differences between DOT 3, DOT 4, DOT 5, and DOT 5.1 brake fluids and the implications of these differences for vehicle maintenance.

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3. Outline the steps involved in the manual bleeding procedure of a hydraulic brake system and discuss why each step is necessary.

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4. Discuss the advantages and disadvantages of vacuum bleeding compared to pressure bleeding in hydraulic brake systems.

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5. Explain the process of gravity bleeding a hydraulic brake system and when this method would be most appropriate to use.

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6. Describe the procedure for bleeding an ABS hydraulic unit and why it is important to follow the specific steps outlined by vehicle manufacturers.

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7. Explain the significance of changing brake fluid regularly and the potential consequences of neglecting this maintenance.

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8. Discuss the purpose of armored brake lines and the conditions under which they are typically used.

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9. Describe how to properly inspect brake hoses and lines for faults and the potential risks associated with damaged components.

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10. Explain the importance of the brake fluid boiling point and how it affects the performance of the brake system, especially under extreme conditions like those experienced on Pike's Peak.

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