

Name: _____

Date: _____

1. What is the primary cause of brake pedal pulsation during braking?
 - A. Grooved rotors
 - B. Excessive rotor thickness variation
 - C. Thin rotors
 - D. Poor surface finish on the rotors

2. After machining a rotor, what is the recommended next step?
 - A. Install on the vehicle
 - B. Rub the machined surface with a brake pad to burnish the surface
 - C. Clean the rotor with soap and water
 - D. Use new lug nuts when installing on the vehicle

3. What is the typical maximum rotor thickness variation (parallelism) specification?
 - A. 0.0005 inch (0.013 mm)
 - B. 0.003 to 0.005 inch (0.08 to 0.13 mm)
 - C. 0.030 to 0.050 inch (0.8 to 1.3 mm)
 - D. 0.300 to 0.500 inch (8.0 to 13 mm)

4. What is the recommended machining depth per side for a rough cut on a rotor?
 - A. 0.005–0.010 in.
 - B. 0.002 in.
 - C. 0.015 in.
 - D. 0.030 in.

5. What is a symptom of an out-of-round drum?
 - A. A squeaking noise at high speeds
 - B. Increased stopping distance
 - C. A pulsating brake pedal when the brakes are applied at all speeds
 - D. Reduced brake pedal resistance

6. What type of distortion occurs when the geometric center of the brake drum friction surface is not the center of the axle?
 - A. Bellmouth distortion
 - B. Eccentric distortion
 - C. Convection distortion
 - D. Lateral runout

7. What does an Ra number indicate regarding rotor surface finish?
 - A. The higher the Ra, the rougher the surface finish
 - B. The lower the Ra, the rougher the surface finish
 - C. The higher the Ra, the smoother the surface finish
 - D. Ra numbers are unrelated to surface finish

8. What is the purpose of qualifying a brake lathe?
- A. To ensure it is painting the rotors correctly
 - B. To check that it is capable of machining brake drums and rotors accurately
 - C. To verify the lathe's electrical consumption
 - D. To confirm the warranty status of the lathe
9. What is the result of bellmouth distortion on a drum?
- A. Increased drum durability
 - B. Brake fade and unusual lining wear
 - C. Improved heat dissipation
 - D. Enhanced braking performance
10. What is the correct procedure for checking brake lathe arbor?
- A. Using a feeler gauge
 - B. Using a vacuum gauge
 - C. Using a thread pitch gauge
 - D. Using a dial indicator

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Chapter 103

Multiple Choice Quiz A

Answer Key

1. B

2. C

3. B

4. A

5. C

6. B

7. A

8. B

9. B

10. D