Automotive Technology 7th Edition
Chapter 103
Multiple Choice Quiz B

Name: _____ Date: _____

1. What is the consequence of over-tightened or unevenly tightened lug nuts on a drum?
A. Improved braking efficiency
B. Eccentric distortion of the drum
C. Increased fuel efficiency
D. Enhanced wheel alignment

2. What is the recommended feed rate for a rough cut during rotor machining?
A. 0.006–0.010 in. per revolution
B. 0.002 in. per revolution
C. 0.015 in. per revolution
D. 0.030 in. per revolution

3. What should be removed before removing a brake drum?
A. Tinnerman nuts
B. Lug nuts
C. Wheel
D. All of the above

4. What does a “machine to” specification indicate?
A. The measurement to machine the brake drum when machining
B. The measurement that requires replacement of the brake drum
C. The original manufacturing size of the drum
D. The maximum allowable wear limit

5. What is the correct interpretation of a rotor finish with a higher Ra number?
A. Smoother surface
B. Rougher surface
C. No impact on surface texture
D. Indicates the rotor is unusable

6. What is a symptom of eccentric drums?
A. A pulsating brake pedal
B. A high-pitched squeal during braking
C. A decrease in brake pedal travel
D. A clicking noise when turning

7. What is the result of uneven heat distribution on brake drums?
A. Out-of-round distortion
B. Increased heat resistance
C. Uniform wear patterns
D. Decreased braking noise

8. What is the recommended action if deep rust pockets are found on rotors?
A. Machine the rotor
B. Fill the pockets with a special compound
C. Replace the rotor
D. Ignore, as it does not affect braking

9. What is the purpose of the ballpoint pen test on a rotor?
A. To check the ink quality of the pen
B. To measure the depth of rotor grooves
C. To determine the smoothness of the rotor surface
D. To mark the area for machining

10. What is indicated by a non-solid line when performing the ballpoint pen test?
A. The rotor surface is smooth enough
B. The rotor surface is not smooth enough
C. The rotor has been overheated
D. The rotor is new and unused

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Answer Key

1. B

2. A

3. D

4. A

5. B

6. A

7. A

8. C

9. C

10. B