

## Automotive Engines 10th

### Quiz 30B

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

1. Technician A says that the cylinder should be bored and/or honed to match the size of the pistons to be used. Technician B says that the top edge of the cylinder should have a sharp edge to help the piston rings during installation. Which technician is correct? 1. \_\_\_\_\_
  - A) Technician A only
  - B) Technician B only
  - C) Both technicians A and B
  - D) Neither technician A nor B
  
2. Cylinders are surrounded by cooling passages. These coolant passages around the cylinders are often called \_\_\_\_\_. 2. \_\_\_\_\_
  - A) cooling jackets
  - B) water jackets
  - C) water passages
  - D) cooling pockets
  
3. The cylinder holes are called \_\_\_\_\_. 3. \_\_\_\_\_
  - A) bores
  - B) strokes
  - C) barrels
  - D) rounders
  
4. Technician A says that engine blocks are either cast iron or aluminum. Technician B says that Styrofoam may be used inside a mold to form water jackets and cylinder bores. Which technician is correct? 4. \_\_\_\_\_
  - A) Technician A only
  - B) Technician B only
  - C) Both technicians A and B
  - D) Neither technician A nor B
  
5. Cast-iron cylinder sleeves are either cast into the aluminum block during manufacturing or pressed into the aluminum block. These sleeves are not in contact with the coolant passages and are called \_\_\_\_\_. 5. \_\_\_\_\_
  - A) dry cylinder sleeves
  - B) wet cylinder sleeves
  - C) siamese cylinders
  - D) aluminum sleeves
  
6. After honing or deglazing, cylinder walls should be washed with \_\_\_\_\_. 6. \_\_\_\_\_
  - A) oil soaked rags
  - B) hot, soapy water
  - C) cleaning solvent
  - D) Both B and C

7. A bedplate is located between the \_\_\_\_\_ and the \_\_\_\_\_. 7. \_\_\_\_\_  
A) cylinder bores; water jacket  
B) cylinder head; block deck  
C) bottom of the block; oil pan  
D) block deck; cylinder bore
8. When measuring a cylinder for wear, the most wear will be found at the \_\_\_\_\_. 8. \_\_\_\_\_  
A) top of cylinder  
B) bottom of cylinder  
C) middle of the cylinder  
D) 5 inches from the top
9. Core plugs are also called \_\_\_\_\_. 9. \_\_\_\_\_  
A) freeze plugs  
B) frost plugs  
C) weep plugs  
D) Either A or B
10. Ultrasonic testing is used to test \_\_\_\_\_. 10. \_\_\_\_\_  
A) for cracks in the block  
B) surface finish of the cylinder bores  
C) cylinder wall thickness  
D) Both B and C

## Answer Key

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1. A  
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2. B  
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3. A  
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4. C  
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5. A  
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6. B  
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