

## Automotive Engines 10th

### Quiz 30A

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

1. The cylinder holes are called \_\_\_\_\_. 1. \_\_\_\_\_
  - A) bores
  - B) strokes
  - C) barrels
  - D) rounders
  
2. An engine block should be machined in which order? 2. \_\_\_\_\_
  - A) Align honing, cylinder boring, block deck machining
  - B) Block decking, align honing, cylinder boring
  - C) Cylinder boring, align honing, block decking
  - D) Align honing, block decking, cylinder boring
  
3. Ultrasonic testing is used to test \_\_\_\_\_. 3. \_\_\_\_\_
  - A) for cracks in the block
  - B) surface finish of the cylinder bores
  - C) cylinder wall thickness
  - D) Both B and C
  
4. After honing or deglazing, cylinder walls should be washed with \_\_\_\_\_. 4. \_\_\_\_\_
  - A) oil soaked rags
  - B) hot, soapy water
  - C) cleaning solvent
  - D) Both B and C
  
5. Engine blocks can be manufactured using which of these methods? 5. \_\_\_\_\_
  - A) Sand cast
  - B) Sand cast or die-cast
  - C) Extruded cylinder
  - D) Machined from a solid piece of metal (either cast iron or aluminum)
  
6. Cylinders are surrounded by cooling passages. These coolant passages around the cylinders are often called \_\_\_\_\_. 6. \_\_\_\_\_
  - A) cooling jackets
  - B) water jackets
  - C) water passages
  - D) cooling pockets
  
7. Cast iron has about how much carbon content? 7. \_\_\_\_\_
  - A) Less than 1%
  - B) 2%
  - C) 3%
  - D) 4% or higher

8. A bedplate is located between the \_\_\_\_\_ and the \_\_\_\_\_. 8. \_\_\_\_\_
- A) cylinder bores; water jacket
  - B) cylinder head; block deck
  - C) bottom of the block; oil pan
  - D) block deck; cylinder bore
9. What should be installed and torqued to factory specifications before machining a block? 9. \_\_\_\_\_
- A) Front timing chain cover
  - B) Main bearing caps
  - C) Oil pan
  - D) All of the above
10. Technician A says that the block deck is the surface to which the cylinder head attaches and can be curved. Technician B says that core plugs are used to fill the holes in the block used for casting. Which technician is correct? 10. \_\_\_\_\_
- A) Technician A only
  - B) Technician B only
  - C) Both technicians A and B
  - D) Neither technician A nor B

## Answer Key

Testname: ENGINES 10 30A

1. A  
Page Ref: 426
2. D  
Page Ref: 431
3. C  
Page Ref: 435
4. B  
Page Ref: 440
5. B  
Page Ref: 427-428
6. B  
Page Ref: 429
7. C  
Page Ref: 426
8. C  
Page Ref: 428
9. B  
Page Ref: 435
10. B  
Page Ref: 427, 429