

Name _____

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

- 1) A _____ can be installed in a cast-iron block to repair a worn or cracked cylinder. 1) _____
 - A) Cylinder sleeve
 - B) Cast iron oversize piston
 - C) Repair splint
 - D) Cylinder reamer

- 2) 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 _____. 2) _____
 - A) dry cylinder sleeves
 - B) wet cylinder sleeves
 - C) siamese cylinders
 - D) aluminum sleeves

- 3) The surface finish for the cylinder walls usually depends on _____. 3) _____
 - A) the type of piston rings to be used
 - B) the type of engine oil that is going to be used in the engine
 - C) the cylinder wall-to-piston clearance
 - D) both B and C

- 4) Engine blocks can be manufactured using which of these methods? 4) _____
 - 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)

- 5) After honing or deglazing, cylinder walls should be washed with _____. 5) _____
 - A) oil soaked rags
 - B) hot soapy water
 - C) cleaning solvent
 - D) both B and C

- 6) The cylinder holes are called _____. 6) _____
 - A) bores
 - B) stroke
 - C) barrels
 - D) rounders

- 7) A cylinder has been measured as having 0.005" of taper. What is the calculated oversize piston size? 7) _____
 - A) 0.010 inch
 - B) 0.030 inch
 - C) 0.020 inch
 - D) 0.005 inch

- 8) Technician A says that engine blocks are either cast iron or aluminum. Technician B says that cores are used inside a mold to form water jackets and cylinder bores. Who is right? 8) _____
- A) Technician A only
 - B) Technician B only
 - C) Both technicians
 - D) Neither technician
- 9) A bedplate is located between the _____ and the _____. 9) _____
- A) cylinder bores; water jacket
 - B) cylinder head; block deck
 - C) bottom of the block; oil pan
 - D) block deck; cylinder bore
- 10) The coolant passages around the cylinders are often called _____. 10) _____
- A) cooling jackets
 - B) water holes
 - C) water passages
 - D) cooling pockets

Answer Key

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1) A

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2) A

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3) A

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4) B

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5) B

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6) A

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7) C

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8) C

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9) C

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10) A

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