

Name _____

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

- 1) A pyrolytic oven is used to clean parts; however, caution should be used to limit the temperature, to prevent damaging engine parts. What are the maximum recommended temperatures? 1) _____
 - A) 300°F (150°C) for all engine parts
 - B) 600°F (315°C) for aluminum parts
 - C) 800°F (425°C) for cast iron
 - D) Both B and C

- 2) When crack testing, the dye-penetrant method is used on _____ parts and components. 2) _____
 - A) Magnetic
 - B) Non-magnetic
 - C) Light-colored
 - D) Dark-colored

- 3) Which of these tools is used when removing the valves from the cylinder head? 3) _____
 - A) Spring compressor
 - B) A valve tippet
 - C) Keeper wedges
 - D) Seat grinder

- 4) An engine is manufactured with cracked joint (fractured) connecting rods. What action should the technician take? 4) _____
 - A) The rods cannot be reused
 - B) The rod cap must stay paired with the rod
 - C) The fractured surface must be machined flat
 - D) None of these

- 5) When pressure testing a cylinder head, using _____ water gives more accurate results. 5) _____
 - A) Ice
 - B) Distilled
 - C) Heavy
 - D) Heated

- 6) Aqueous-based cleaning means _____. 6) _____
 - A) Water based
 - B) Abrasive based
 - C) Strong chemical based
 - D) All of the above

- 7) When removing cylinder heads, the fasteners should be removed in what order? 7) _____
- A) The reverse order of tightening
 - B) The same order as the specified tightening sequence
 - C) Any order
 - D) Loosened slightly in the same order as the tightening sequence and then removed in any order
- 8) Which part cleaning method is the least hazardous? 8) _____
- A) Caustic (low pH) chemicals
 - B) Aqueous-based solutions
 - C) Pyrolytic oven
 - D) Vapor cleaning
- 9) Which media is best to use for cleaning parts as it does not need to be thoroughly cleaned after using? 9) _____
- A) Baking soda
 - B) Stainless steel shot
 - C) Glass beads
 - D) Aluminum shot
- 10) When removing the valves from the cylinder head, tapping the spring retainer with a brass hammer is used to _____. 10) _____
- A) Loosen the valve keepers
 - B) Drive the valve from the valve guide
 - C) Drive out the valve guide
 - D) Snap the valve springs loose

Answer Key

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1) D

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2) B

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3) A

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4) B

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5) D

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6) A

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7) A

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8) C

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9) A

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10) A

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