

Name _____

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

- 1) Which media is best to use for cleaning parts, as it does not need to be thoroughly cleaned after using? 1) _____
 - A) Baking soda
 - B) Stainless steel shot
 - C) Glass beads
 - D) Aluminum shot

- 2) Cleaning chemicals are usually either a caustic material or an acid material. Which of the following statements is TRUE? 2) _____
 - A) Both caustics and acids have a pH of 7 if rated according to distilled water
 - B) An acid is lower than 7 and a caustic is higher than 7 on pH scale
 - C) An acid is higher than 7 and a caustic is lower than 7 on pH scale
 - D) Pure water is a 1 and a strong acid is a 14 on the pH scale

- 3) Many cleaning methods involve chemicals that are hazardous to use. The least hazardous method is _____. 3) _____
 - A) Pyrolytic oven
 - B) Hot vapor tank
 - C) Hot soak tank
 - D) Cold soak tank

- 4) Technician A says that mechanical cleaning with scrapers or wire brushes can be used to remove deposits. Technician B says that steel wire brushes can be used to clean aluminum parts. Which technician is correct? 4) _____
 - A) Technician A
 - B) Technician B
 - C) Both technicians
 - D) Neither technician

- 5) What actually does the cleaning when using steam? 5) _____
 - A) Heat from the steam
 - B) Pressure behind the steam
 - C) Abrasives used
 - D) Both A and B

- 6) Cracks in aluminum cylinder heads can be repaired by _____. 6) _____
 - A) Epoxy sealing
 - B) Powder coating
 - C) Welding
 - D) Flexing

- 7) Technician A says that a wire brush is used mainly on aluminum engine parts. Technician B says that a wire brush can damage aluminum parts. Which technician is correct? 7) _____
- A) Technician A
 - B) Technician B
 - C) Both technicians
 - D) Neither technician
- 8) Which crack detection technique requires the use of a blacklight? 8) _____
- A) Zyglo
 - B) Dye penetrant
 - C) Magnetic flux
 - D) None of these
- 9) Technician A says that the fluorescent penetrant test method can be used to detect cracks in iron, steel, or aluminum parts. Technician B says that the dye penetrant test can only be used with aluminum parts. Which technician is correct? 9) _____
- A) Technician A only
 - B) Technician B only
 - C) Both technicians
 - D) Neither technician
- 10) Plugging can be used to repair cracks _____. 10) _____
- A) In cast-iron cylinder heads
 - B) In aluminum cylinder heads
 - C) In both cast-iron and aluminum cylinder heads
 - D) Only in cast-iron blocks

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) A

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5) D

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6) A

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7) B

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8) A

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9) A

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10) C

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