

Automotive Engines 10th

Quiz 24B

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

1. Technician A says that an attendant must be present any time a pyrolytic oven is used. Technician B says that aluminum parts should be cleaned at a temperature greater than 600°F. 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. Which media is best to use for cleaning parts, as it does not need to be thoroughly cleaned after using? 2. _____
 - A) Baking soda
 - B) Stainless steel shot
 - C) Glass beads
 - D) Aluminum shot

3. Abrasive pads or discs should be used _____. 3. _____
 - A) on disassembled engine parts only
 - B) according to the specified grit size for the material being cleaned
 - C) but clean the part thoroughly, to wash away the abrasive material
 - D) All of the above

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 only
 - B) Technician B only
 - C) Both technicians A and B
 - D) Neither technician A nor B

5. All of the following are methods of mechanical cleaning EXCEPT _____. 5. _____
 - A) chemical solvents
 - B) abrasive blasting
 - C) scraping
 - D) brushing

6. Cracks in aluminum cylinder heads can be repaired by _____. 6. _____
 - A) epoxy sealing
 - B) powder coating
 - C) welding
 - D) flexing

7. What actually does the cleaning when using steam? 7. _____
 - A) Heat from the steam
 - B) Pressure behind the steam
 - C) Abrasives used
 - D) Both A and B

8. 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? 8. _____

- A) Technician A only
- B) Technician B only
- C) Both technicians A and B
- D) Neither technician A nor B

9. 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? 9. _____

- A) Technician A only
- B) Technician B only
- C) Both technicians A and B
- D) Neither technician A nor B

10. Which crack detection technique requires the use of a blacklight? 10. _____

- A) Zyglo
- B) Dye penetrant
- C) Magnetic flux
- D) None of these

Answer Key

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