

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 in order 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) Technician A says that pressure testing involves injecting pressurized air into engine block water and oil passages. Technician B says that pressure testing involves injecting pressurized water into engine block water and oil passages. Which technician is correct? 2) \_\_\_\_\_
  - A) Technician A
  - B) Technician B
  - C) Both technicians
  - D) Neither technician
  
- 3) All of the following are methods of mechanical cleaning EXCEPT \_\_\_\_\_. 3) \_\_\_\_\_
  - A) Chemical solvents
  - B) Abrasive blasting
  - C) Scraping
  - D) Brushing
  
- 4) Technician A says that engine parts need to be cleaned before a thorough test can be done to detect cracks. Technician B says that pressure testing can be used to find cracks in blocks or cylinder heads. Which technician is correct? 4) \_\_\_\_\_
  - A) Technician A
  - B) Technician B
  - C) Both technicians
  - D) Neither technician
  
- 5) Most chemical cleaners used for cleaning carbon-type deposits are strong soaps called \_\_\_\_\_. 5) \_\_\_\_\_
  - A) Caustic materials
  - B) Acid materials
  - C) Cleaning materials
  - D) pH materials
  
- 6) Aqueous-based cleaning means \_\_\_\_\_. 6) \_\_\_\_\_
  - A) Water-based
  - B) Abrasive-based
  - C) Strong chemical-based
  - D) All of the above

- 7) 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? 7) \_\_\_\_\_
- A) Technician A
  - B) Technician B
  - C) Both technicians
  - D) Neither technician
- 8) What actually does the cleaning when using steam? 8) \_\_\_\_\_
- A) Heat from the steam
  - B) Pressure behind the steam
  - C) Abrasives used
  - D) Both A and B
- 9) Magnetic crack inspection uses \_\_\_\_\_. 9) \_\_\_\_\_
- A) Red dye to detect cracks in aluminum
  - B) A black light to detect cracks in iron parts
  - C) Fine iron powder to detect cracks in iron parts
  - D) A magnet to remove cracks from iron parts
- 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) A

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4) C

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5) A

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6) A

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7) A

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8) D

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9) C

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10) A

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