

Name \_\_\_\_\_

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

- 1) Technician A says that carburetor cleaner is one of the most common cold soak agents used in an engine reconditioning shop. Technician B says that a hydrosol is a layer of water on top of the solvent to prevent evaporation. Which technician is correct? 1) \_\_\_\_\_
  - A) Technician A only
  - B) Technician B only
  - C) Both technicians
  - D) Neither technician
  
- 2) All of the following are methods of mechanical cleaning EXCEPT \_\_\_\_\_. 2) \_\_\_\_\_
  - A) chemical solvents
  - B) abrasive blasting
  - C) scraping
  - D) brushing
  
- 3) What actually does the cleaning when using steam? 3) \_\_\_\_\_
  - A) Heat from the steam
  - B) Pressure behind the steam
  - C) Abrasives used
  - D) Both A and B
  
- 4) Cracks in cast iron cylinder heads can easily be repaired by welding. 4) \_\_\_\_\_
  - A) True
  - B) False
  
- 5) Many cleaning methods involve chemicals that are hazardous to use. The least hazardous method is generally considered to be the \_\_\_\_\_. 5) \_\_\_\_\_
  - A) pyrolytic oven
  - B) hot vapor tank
  - C) hot soak tank
  - D) cold soak tank
  
- 6) 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? 6) \_\_\_\_\_
  - A) Technician A only
  - B) Technician B only
  - C) Both technicians
  - D) Neither technician
  
- 7) Magnetic crack inspection \_\_\_\_\_. 7) \_\_\_\_\_
  - A) uses a red dye to detect cracks in aluminum
  - B) uses a black light to detect cracks in iron parts
  - C) uses a fine iron powder to detect cracks in iron parts
  - D) uses a magnet to remove cracks from iron parts

8) Any internal part that has a crack or flaw should be replaced, not repaired. 8) \_\_\_\_\_  
A) True  
B) False

9) Plugging can be used to repair cracks \_\_\_\_\_. 9) \_\_\_\_\_  
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

10) 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. Who is right? 10) \_\_\_\_\_  
A) Technician A only  
B) Technician B only  
C) Both technicians  
D) Neither technician