

Name \_\_\_\_\_

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

- 1) The purpose of the oil filter bypass valve is to \_\_\_\_\_. 1) \_\_\_\_\_
  - A) allow oil to bypass the filter if the filter becomes clogged
  - B) keep the oil from draining out of the filter when the engine is shut off
  - C) allows oil to bypass the oil filter when the oil is hot, to help cool the oil
  - D) Both B and C
  
- 2) Which rating is the ACEA rating specified for use by many European vehicle manufacturers? 2) \_\_\_\_\_
  - A) SAE
  - B) A3/B3
  - C) SM
  - D) GF-4
  
- 3) Many oils are identified by two numbers (i.e. 10W-30). These types of oil are referred to as \_\_\_\_\_ oils. 3) \_\_\_\_\_
  - A) binumeral
  - B) 2-number
  - C) multi-grade
  - D) semi-grade
  
- 4) Older engines that use flat-bottom lifters should use oil (or an additive) that has enough \_\_\_\_\_. 4) \_\_\_\_\_
  - A) viscosity
  - B) ZDDP (zinc)
  - C) polyalpholefin (POA)
  - D) diesters
  
- 5) Most high mileage oils cannot meet IISAC GF-4 rating and are, therefore, \_\_\_\_\_ for use in most engines. 5) \_\_\_\_\_
  - A) highly recommended
  - B) dangerous
  - C) not recommended
  - D) harmful
  
- 6) Technician A says that all high milage oils are synthetic. Technician B says that synthetic and mineral oils are miscible. Which technician is correct? 6) \_\_\_\_\_
  - A) Technician A only
  - B) Technician B only
  - C) Both technicians
  - D) Neither technician

- 7) Oil with a high viscosity has a \_\_\_\_\_ resistance to flow than oil with a lower viscosity. 7) \_\_\_\_\_  
A) higher  
B) lower  
C) equal  
D) none of these
- 8) Technician A always inspects or replaces the drain plug gasket when performing an oil change. Technician B says that warm oil holds contaminants and flows faster than cold oil. Who is correct? 8) \_\_\_\_\_  
A) Technician A only  
B) Technician B only  
C) Both technicians  
D) Neither technician
- 9) Using the incorrect multi-grade oil can cause the check engine light to come on. 9) \_\_\_\_\_  
A) True  
B) False
- 10) Two technicians are discussing oil filters. Technician A says that the oil will remain perfectly clean if just the oil filter is changed regularly. Technician B says that oil filters can filter particles smaller than the human eye can see. Which technician is correct? 10) \_\_\_\_\_  
A) Technician A only  
B) Technician B only  
C) Both technicians  
D) Neither technician