

Name _____

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

- 1) Reformulated gasoline contains at least _____ percent oxygen by weight. 1) _____
 - A) 2
 - B) 10
 - C) 1
 - D) Zero

- 2) Winter blend gasoline _____. 2) _____
 - A) Vaporizes more easily than summer blend gasoline
 - B) Has a higher RVP
 - C) Can cause engine driveability problems if used during warm weather
 - D) All of the above

- 3) Which method of blending ethanol with gasoline is the most accurate? 3) _____
 - A) In-line
 - B) Sequential
 - C) Splash
 - D) All of the above are equally accurate methods

- 4) Technician A says that in going to high altitudes, engines produce lower power. Technician B says that most engine control systems can compensate the air-fuel mixture for changes in altitude. Which technician is correct? 4) _____
 - A) Technician A only
 - B) Technician B only
 - C) Both technicians
 - D) Neither technician

- 5) Technician A says that spark knock, ping, and detonation are different names for abnormal combustion. Technician B says that any abnormal combustion raises the temperature and pressure inside the combustion chamber and can cause severe engine damage. Which technician is correct? 5) _____
 - A) Technician A only
 - B) Technician B only
 - C) Both technicians
 - D) Neither technician

- 6) Which of these symptoms may be caused by excessive ethanol in the fuel? 6) _____
 - A) High idle speed
 - B) Poor AC performance
 - C) Late transmission shifting
 - D) Rough idle or stall

- 7) Oxygenated fuel reduces CO in the exhaust by _____. 7) _____
- A) Adding oxygen to CO to help form CO₂
 - B) Removing the oxygen from CO to make carbon
 - C) Both A and B
 - D) Neither A nor B
- 8) Air-fuel ratio is described as _____. 8) _____
- A) The proportion of air-to-fuel by weight needed for a gasoline engine to run
 - B) The proportion of air-to-fuel by volume needed for a gasoline engine to run
 - C) Either A or B
 - D) Neither A nor B
- 9) Technician A says that using lower octane fuel in vehicles designed for premium fuel, will cause serious engine damage. Technician B says that some octane boosters will cause discoloration of the porcelain on the spark plug tip. Which technician is correct? 9) _____
- A) Technician A only
 - B) Technician B only
 - C) Both technicians
 - D) Neither technician
- 10) If regular-grade gasoline is used in an engine designed for premium gasoline, what might result? 10) _____
- A) Reduced engine power
 - B) Reduced fuel economy
 - C) Both A and B
 - D) Neither A nor B

Answer Key

Testname: ENGINEPERF5_5B

- 1) A
Page Ref: 101
- 2) D
Page Ref: 93
- 3) A
Page Ref: 100
- 4) C
Page Ref: 98
- 5) C
Page Ref: 96-97
- 6) D
Page Ref: 102
- 7) A
Page Ref: 98
- 8) A
Page Ref: 95
- 9) B
Page Ref: 98-99
- 10) C
Page Ref: 99