

Name _____

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

- 1) Wear a short sleeve shirt when working with fuels, so any spills can be easily washed off. 1) _____
A) True
B) False

- 2) A flex-fuel vehicle can be identified by _____. 2) _____
A) Emblems on the side, front, and/or rear of the vehicle
B) VECI
C) VIN
D) Any of the above

- 3) A flex-fuel vehicle uses the PCM to make adjustments to the engine according to the percentage of ethanol in the fuel. The PCM must adjust which engine settings? 3) _____
A) Quantity of fuel delivered
B) Ignition timing
C) Both A and B
D) Neither A nor B

- 4) Technician A says that the stoichiometric ratio for gasoline is about 9:1. Technician B says that the stoichiometric ratio for ethanol is about 9:1. Which technician is correct? 4) _____
A) Technician A only
B) Technician B only
C) Both technicians
D) Neither technician

- 5) E85 means that the fuel is made from _____. 5) _____
A) 85% gasoline, 15% ethanol
B) 85% ethanol, 15% gasoline
C) Ethanol that has 15% water
D) Pure ethyl alcohol

- 6) Technician A says that vehicles capable of using 100% ethanol are known as flex fuel vehicles. Technician B says that using E85 in a flex fuel vehicle will result in less horsepower. Which technician is correct? 6) _____
A) Technician A only
B) Technician B only
C) Both technicians
D) Neither technician

- 7) The stoichiometric ration for CNG is _____. 7) _____
A) 16.5 to 1
B) 14.7 to 1
C) 9 to 1
D) 8 to 1

- 8) Which alcohol is dangerous (toxic)? 8) _____
- A) Methanol
 - B) Ethanol
 - C) Both ethanol and methanol
 - D) Neither ethanol nor methanol
- 9) How much compressed natural gas (CNG) does it require to achieve the energy of one gallon of gasoline? 9) _____
- A) 130 cubic feet
 - B) 122 cubic feet
 - C) 105 cubic feet
 - D) 91 cubic feet
- 10) A vehicle burning CNG loses about _____ percent power as compared to gasoline. 10) _____
- A) 10
 - B) 85
 - C) Zero
 - D) 40

Answer Key

Testname: ENGINEPERF5_6B

1) B

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2) D

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3) C

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4) B

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5) B

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6) D

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7) A

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8) A

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9) B

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10) A

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