Assignment 8

The due date for submitting this assignment has passed.
As per our records you have not submitted this assignment.
(For.Delete)

1. Overall efficiency of down-draft gasifier is ______ due to ______ heat content carried over by a lot of hot gas. 1 point
   - high, low
   - low, high
   - high, high
   - low, low
   - none, the answer is incorrect.
   - Score 1
   - Accepted Answer: high, low

2. In down draft gasifiers, direction of feed and air is ______ the amount of ash in the system is ______. 1 point
   - same, low
   - different, low
   - same, high
   - different, high
   - none, the answer is incorrect.
   - Score 1
   - Accepted Answer: same, high

3. Which of these is not present in the product gas through fixed bed gasifier? 1 point
   - Hydrogen
   - Nitrogen
   - Boron
   - Methane
   - none, the answer is incorrect.
   - Score 1
   - Accepted Answer: Hydrogen

4. Fluidized bed gasification is of two types ______ fluidized bed and ______ fluidized bed. 1 point
   - Circulated, random
   - Circulated, bubbling
   - Bubbling, updraft
   - Sprinkled, random
   - none, the answer is incorrect.
   - Score 1
   - Accepted Answer: Circulated, bubbling

5. Fluidized bed has ______ temperature distribution and fixed bed has ______ temperature distribution in gasification zone. 1 point
   - uniform, non-uniform
   - uniform, uniform
   - non-uniform, uniform
   - non-uniform, non-uniform
   - none, the answer is incorrect.
   - Score 1
   - Accepted Answer: uniform, uniform

6. To counter slagging, bed temperature is ______ but it leads to ______ char formation. 1 point
   - increased, increased
   - increased, decreased
   - decreased, increased
   - decreased, decreased
   - none, the answer is incorrect.
   - Score 1
   - Accepted Answer: increased, increased

7. Due to high ______ content in herbaceous plants, more ash is produced in fluidized bed gasifier. 1 point
   - non-metal
   - al
   - alkali metal
   - none, the answer is incorrect.
   - Score 1
   - Accepted Answer: alkali metal

8. Conventional chemicals are used to remove particulate impurities of size ______. 1 point
   - less than 1 mm
   - greater than 10 mm but less than 100 mm
   - greater than 100 mm
   - less than 1 mm but greater than 10 mm
   - none, the answer is incorrect.
   - Score 1
   - Accepted Answer: less than 1 mm

9. In the lab scale, which chemical was used to convert graphite oxide to reduced graphite oxide? 1 point
   - Hydrazine
   - Nitric acid
   - Hypophosphorous acid
   - Water
   - none, the answer is incorrect.
   - Score 1
   - Accepted Answer: Hydrazine

10. Which reaction undergoes solvent deposition to produce ______. 1 point
    - methanol, oxygen
    - methane, carbon dioxide
    - methanol, methanol
    - methanol, carbon dioxide
    - none, the answer is incorrect.
    - Score 1
    - Accepted Answer: methanol, carbon dioxide