Assignment 5

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

1) Ash content in the substrate left after ignition at
   - 409 °C
   - 599 °C
   - 689 °C
   - 759 °C
   
   *No, the answer is incorrect.
   Score: 0
   Accepted Answers:
   500 °C

2) Energy released at complete oxidation and water leaves the combustion process in its liquid state
   - Lower heating value
   - Higher heating value
   - Total heating value
   
   *No, the answer is incorrect.
   Score: 0
   Accepted Answers:
   Higher heating value

3) In India, as per GHEIO manual, 2016, the minimum time that the waste should be exposed to the temperature of incinerator
   - 1 sec
   - 2 sec
   - 3 sec
   - 5 sec
   
   *No, the answer is incorrect.
   Score: 0
   Accepted Answers:
   2 sec

4) About ........... % of the waste is transferred into the flue gas during the waste incineration process.
   - 0.75
   - 0.8
   - 0.9
   - 1.0
   
   *No, the answer is incorrect.
   Score: 0
   Accepted Answers:
   0.8

5) The moisture content, ash content and the combustible solids of a waste are 40%, 30% and 26% respectively. Is auxiliary fuel required for combustion to take place?
   - Yes
   - No
   - Insufficient data
   
   *No, the answer is incorrect.
   Score: 0
   Accepted Answers:
   Yes

6) The flunitization of bed in fluidized bed incinerator is achieved by
   - Adding excess of water
   - Injecting air through large number of nozzles from below
   - Injecting water through large number of nozzles from below
   
   *No, the answer is incorrect.
   Score: 0
   Accepted Answers:
   Injecting air through large number of nozzles from below

7) Operating temperature of Fabric Filter, Cyclone and Electrostatic Precipitator are
   - 409 °C, 599 °C and 250 °C respectively
   - 409 °C, 599 °C and 650 °C respectively
   - 259 °C, 599 °C and 400 °C respectively
   - 259 °C, 399 °C and 500 °C respectively
   
   *No, the answer is incorrect.
   Score: 0
   Accepted Answers:
   250 °C, 500 °C and 450 °C respectively

8) Which option is correct about pyrolysis?
   - Thermal degradation at 300-800 °C
   - Catalysis
   - Partial oxidation
   - In presence of oxidizing agent
   
   *No, the answer is incorrect.
   Score: 0
   Accepted Answers:
   Thermal degradation at 300-800 °C

9) Statement 1: Street sweepings and C and D wastes are not suitable for incineration. Statement 2: Street sweepings and C and D wastes contain a small fraction of incombustible matter.
   - Both statements are true and statement 2 is a correct explanation of statement 1
   - Statement 1 is true and statement 2 is false
   - Statement 1 is false and statement 2 is true
   - Both statements are true and statement 2 is not a correct explanation of statement 1.
   
   *No, the answer is incorrect.
   Score: 0
   Accepted Answers:
   Statement 1 is true and statement 2 is false

10) …………………….. can be adsorbed on activated carbon in a bag filter or in a carbon injection system in combination with a bag type filter.
   - Dust
   - Gaseous PCDD/F
   - Acid gas
   - NOx
   
   *No, the answer is incorrect.
   Score: 0
   Accepted Answers:
   Gaseous PCDD/F