Unit 8 - Week 6

Assignment 6

The due date for submitting this assignment has passed. Due on 2019-04-10, 23:59 IST.
As per our records you have not submitted this assignment.

1) Which of the following process(es) is/are a part of mechanical recycling of plastics?
   a. Segregation
   b. Pelletization
   c. Extrusion
   d. All the above

   1 point

   No, the answer is incorrect.
   Score: 0
   Accepted Answers:
   d

2) During which process(es) does the plastic undergo molecular and structural level changes to produce products with unique properties than the raw materials?
   a. Incineration
   b. Mechanical Recycling
   c. Feedstock Recycling
   d. All of the above

   1 point

   No, the answer is incorrect.
   Score: 0
The solid phase product produced during pyrolysis of plastics is called as?

a. Synsolid
b. Char
c. Biocoal
d. Ash

No, the answer is incorrect.
Score: 0
Accepted Answers: 
b

4)

The thermal degradation of plastic waste with continuous supply of oxygen is called as?

a. Pyrolysis
b. Gasification
c. Incineration
d. Mechanical Recycling

No, the answer is incorrect.
Score: 0
Accepted Answers: 
c

5)

Which of the following is not a feed point for the plastic waste materials into the cement production process in a cement kiln?

a. The main burner at the rotary kiln outlet end
b. The rotary kiln inlet end
c. The pre-calculator
d. Clinker

No, the answer is incorrect.
Score: 0
Accepted Answers: 
d
6) Liquefied waste plastic is coated on which of this raw material of a road in the construction plastic road?

- a. Sand
- b. Bitumen
- c. Aggregate
- d. Cement

No, the answer is incorrect.
Score: 0
Accepted Answers: c

7) Which of the following tertiary treatment processes is the most efficient micro plastics treatment mechanism in waste water treatment plant?

- a. Membrane bioreactor
- b. Disc filter
- c. Rapid sand filter
- d. Dissolved air floatation

No, the answer is incorrect.
Score: 0
Accepted Answers: a

8) Incineration of polystyrene produces which of the following toxic gases

- a. Ethylene
- b. Methane
- c. Styrene
- d. All of the above

No, the answer is incorrect.
Score: 0
Accepted Answers: c
9) The basic process of laying a plastic road follows which of these sequences
   a) Segregation > Shredding > Cleaning
   b) Cleaning > Shredding > Segregation
   c) Shredding > Segregation > Cleaning
   d) Segregation > Cleaning > Shredding

   No, the answer is incorrect.
   Score: 0
   Accepted Answers:
   d

10) Which of the following plastic waste management option is endothermic in nature?
   a. Pyrolysis
   b. Mechanical recycling
   c. Incineration
   d. Landfilling

   No, the answer is incorrect.
   Score: 0
   Accepted Answers:
   a

11) Pyrolysis of plastic waste involves breaking down of the plastics into products of only two phases: liquid and gas.
   a. True
   b. False

   No, the answer is incorrect.
   Score: 0
   Accepted Answers:
   b

12) By the process of incineration, high calorific value of the plastic waste produces very low amount of energy.
   a. True
   b. False

   a
13) Landfilling is a cheapest and easiest plastic waste management option

   a. True
   b. False

No, the answer is incorrect.
Score: 0
Accepted Answers:
   b

14) Plastic is not a very good binder

   a. True
   b. False

No, the answer is incorrect.
Score: 0
Accepted Answers:
   a

15) After the road laying, it is opined that the first rain will trigger leaching due to the mechanical abrasion of plastic which forms as a sticky layer.

   a. True
   b. False

No, the answer is incorrect.
Score: 0
Accepted Answers:
   a