Assignment 4

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

1) The waste separation method used in a material recovery facility (MRF) for the separation of steel and tin is _______ and that for glass is _______.
   - Eddy current separator, magnetic separation
   - Eddy current separator, density separator
   - Density separator, air classification
   - Magnetic separator, density separator
   
   No, the answer is incorrect.
   Score: 0
   Accepted Answers:
   Magnetic separator, density separator

2) Proximate analysis of waste collected from an industrial area shows a high fraction of PET and HDPE (plastic content) and for their separation _______ method is useful.
   - Magnetic separator
   - Air classifier
   - Eddy current separator
   - Density separator
   
   No, the answer is incorrect.
   Score: 0
   Accepted Answers:
   Air classifier

3) When the collected solid waste is mechanically reduced in size, the volume also reduces _______.
   - True
   - False
   
   No, the answer is incorrect.
   Score: 0
   Accepted Answers:
   False

4) The distance of disposal site is not an important criterion while considering setting up a transfer station _______.
   - True
   - False
   
   No, the answer is incorrect.
   Score: 0
   Accepted Answers:
   False

5) Statement 1: Clean MRF has higher recovery rate than Dirty MRF. Statement 2: In clean MRF, 100% of the incoming waste stream is sorted leading to an increase in material recovery _______.
   - Statement 1 is correct, but statement 2 is incorrect
   - Statement 1 is incorrect, but statement 2 is correct
   - Both statement 1 and 2 are correct
   - Both statement 1 and 2 are incorrect
   
   No, the answer is incorrect.
   Score: 0
   Accepted Answers:
   Both statement 1 and 2 are incorrect

6) Shredding of plastic during its recycling done to _______.
   - Make it easier to process and reshape
   - Increases the surface area
   - Easier to transport
   - None of these
   
   No, the answer is incorrect.
   Score: 0
   Accepted Answers:
   None of these

7) Statement 1: Dust is one of the major health concerns in a transfer station. Statement 2: To combat this, workers should be provided with masks and the transfer station should be equipped with overhead water spray and dust filtering system _______.
   - Statement 1 is correct, but statement 2 is incorrect
   - Statement 1 is incorrect, but statement 2 is correct
   - Both statement 1 and 2 are correct
   - Both statement 1 and 2 are incorrect
   
   No, the answer is incorrect.
   Score: 0
   Accepted Answers:
   Both statement 1 and 2 are correct

8) Consider the following statements about Dirty MRF. Statement 1: The recyclables materials are contaminated more compared to Clean MRF. Statement 2: The resulting waste materials are not exactly separated and mixed waste _______.
   - Statement 1 is correct, statement 2 is incorrect
   - Statement 1 is incorrect, statement 2 is correct
   - Both statement 1 and 2 are correct
   - Both statement 1 and 2 are incorrect
   
   No, the answer is incorrect.
   Score: 0
   Accepted Answers:
   Both statement 1 and 2 are incorrect

9) From the environmental aspect, recycling is important because _______.
   - Lifelike opportunities for recyclers
   - Sustainable use of resources
   - Reduction of imports of raw materials
   - Reduced waste volume and hence reduced land requirement for disposal
   
   No, the answer is incorrect.
   Score: 0
   Accepted Answers:
   Reduced waste volume and hence reduced land requirement for disposal

10) Density separation is done after densification to check if the waste needs further compaction _______.
    - True
    - False
    
    No, the answer is incorrect.
    Score: 0
    Accepted Answers:
    False