Unit 3 - Week 2

Assignment-2

The due date for submitting this assignment has passed.

1. The frontpages and complementaries of the bacteriological waste in the study area are as follows: Carbon: 45.8%, Nitrogen: 12.0%, Oxygen: 25.2%, Water: 25.2%. Based on these values, how much inorganic nitrogen can be expected to be present in the waste? (1.5 marks)

2. The pH of a sample of sewage waste is measured to be 6.5. This value is outside the acceptable range of pH for proper treatment. What action should be taken to bring the pH within the acceptable range? (1.5 marks)

3. A factory has been identified as a source of heavy metal pollution. Which heavy metals are commonly found in industrial waste and their effects on human health? (2 marks)

4. A study found that the incidence of respiratory problems in a community is directly correlated with the presence of air pollution. What measures can be taken to reduce air pollution in the community? (2 marks)

5. A river in the study area is contaminated with industrial waste. What is the primary source of this contamination and what steps can be taken to mitigate the impact on the river ecosystem? (2 marks)

Due on 2020-02-12, 23.59.59 HKT.