

BIRLA INSTITUTE OF TECHNOLOGY AND SCIENCE, PILANI-HYDERABAD CAMPUS
FIRST SEMESTER 2022-2023

BIO F216: WATER, SANITATION AND SOLID WASTE MANAGEMENT

Evaluation Component: Quiz-1

Date: 08.10.2022

Marks: 10

Duration: 15 min

Name: _____

ID No.: _____

1. Which is the best way to reduce waste during building construction? (1 M)

2. Suggest a method for effectively treating biomedical waste generated by many dental clinics in rural areas. (1 M)

3. Establish the link between e-waste and Basel Convention. (1 M)

4. Give any two SDGs that are associated with solid waste management. (2 M)

5. Suzhou city belongs to the Tai lake region in Jiangsu Province of southeastern China. The annual production of organic waste in the Suzhou region is about 6.6 million tons, mainly including kitchen waste (355.9 kilotons/year), agricultural straw (966.9 kilotons/year), garden waste (768.5 kilotons/year), river sludge (532.8 kilotons/year), human waste and animal manure (3892.5 kilotons/year), aquatic reed plants and water grass (86.0 kilotons/year). Currently, the entire organic waste is compressed and transported to the power plant for incineration.
 - A. Please suggest an alternate method to treat all the organic waste produced in Suzhou city. (1 M)

 - B. What are the problems foreseen when the proposed alternate treatment method is adapted? (2 M)

 - C. List the parameters to assess the final product quality produced from the proposed treatment method. (2 M)