

| Activity 3: Creative Thinking (CO 1/ CO 2 / CO 3 / CO 4) | | |
|---|----------------------------------|--|
| Date: 21 February 2025 | Time: 04:50 pm – 05:50 pm | Sub: Municipal Solid Waste Management (CE30078) |

Full Marks: 10

Design questions covering **CO 1, CO 2, CO 3, and CO 4**, structured into **Part A and Part B**.

- **Part A:** Includes **five** questions, each carrying **1 mark**.
- **Part B:** Consists of **four** questions, each carrying **5 marks**.
- Ensure that **CO 1, CO 2, and CO 3** collectively account for **three** of the 5-mark questions, while **CO 4** is addressed separately as an additional question.

- CO 1** : Explain the principles of municipal solid waste management,
- CO 2** : Analyze and interpret the various waste management rules of 2016,
- CO 3** : Characterize solid waste based on physical and chemical properties,
- CO 4** : Select proper methods for collection of solid waste,
- CO 5** : Apply proper biochemical technologies and thermal technologies for conversion of waste to wealth, and
- CO 6** : Design engineered landfills for disposable wastes.