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Roll No

CE-8004(2)-CBGS

B.E. VIII Semester

Examination, December 2020

Choice Based Grading System (CBGS)

Waste Disposal and Management

Time : Three Hours

Maximum Marks : 70

- Note:** i) Attempt any five questions.
ii) All questions carry equal marks.

1. a) Discuss in details principal hazardous waste characteristics.
b) Enlist the factors to be considered for landfill siting.
2. a) Define the following terms: Collection, compost, disposal, incineration, municipal waste, Leachate, sanitary landfill.
b) Discuss in detail incineration of hazardous waste.
3. What do you understand by Hazardous Wastes? Also give its classification.
4. What are the various precautions take place during storage and transportation of Hazardous Wastes? Explain?
5. a) What are the methods of onsite storage and handling of solid waste?
b) Describe the various factors affecting composting?

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6.
 - a) Write briefly on Hauled - Container Systems (HCS) for collection of solid wastes?
 - b) Describe the functional elements of solid waste management program?
7.
 - a) Discuss the factors affecting solid waste generation rates.
 - b) Mention the treatment alternatives for biomedical waste. Explain any one in detail.
8. Define any four of the following
 - a) Guideline for collection route layout
 - b) Cost benefit ratio
 - c) Deep well injection
 - d) 3-R Concept
 - e) Unit operations for waste water treatment
