

Roll No

CE-8004(2) (CBGS)

B.E. VIII Semester

Examination, May 2019

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.

iii) Make suitable assumptions wherever necessary.

1. a) Discuss in details principal hazardous waste characteristics. 7
b) Enlist the factors to be considered for landfill siting. 7
2. a) Define the following terms: Collection, compost, disposal, incineration, municipal waste, Leachate, sanitary landfill. 7
b) Discuss in detail incineration of hazardous waste. 7
3. a) Prepare a table for biomedical waste categorization. 7
b) Discuss the recovery of biological products from solid waste. 7
4. a) Explain how the self purification capacity of stream done. 7
b) Explain the hazard in processing and treatment. 7

5. a) Discuss in details the function element of solid waste management. 7
b) Write about the oxygen sag analysis done. 7
6. a) Discuss about the hazardous waste transportation according to the economic benefits. 7
b) Discuss in detail landfill gas management. 7
7. a) Discuss the factors affecting solid waste generation rates. 7
b) Mention the treatment alternatives for biomedical waste. Explain any one in detail. 7
8. a) Describe the need for transfer operations. 7
b) Classify the design and operation of land fills and deep well injection. 7

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