

Dr Dharmendra

8/5/2023

Roll.No:.....

National Institute of Technology, Hamirpur (H.P.)
B.Tech. (Civil)

186

End-Term Examination, 09/05/2023

Time: – 2.30PM to 5.30 PM

Branch: Civil Engineering

Semester: 8th

Course Name: Solid Waste Management

Course Code: CE-460

Time Allotted: 3 Hours

Maximum Marks: 50

	Marks
Q-1 Explain Integrated Solid Waste Management by citing out the political, environmental and economic aspects along with its advantages and disadvantages.	7.5
Q-2 Municipal solid waste is generated within the community from several sources, not just the household. List and discuss these sources with hazardous and non-hazardous categories.	7.5
Q-3 Describe the design, Process and operation of a sanitary landfill with a neat sketch.	7.5
Q-4 Define composting. Explain and classify different types of composting and their process.	7.5
Q-5 How does incineration help in the management of solid waste? Explain the following: (i) Pyrolysis (ii) Open dumping (iii) Refuse derived fuel (iv) Bio gasification	10
Q-6 Differentiate between hazardous and non-hazardous waste. Explain the process of hazardous identification and risk assessment?	10