

Roll No.

Total Pages : 2

CMDQ/D-23
WASTE MANAGEMENT

5098

Paper–MES–304

Time Allowed : 3 Hours]

[Maximum Marks : 80

Note : Attempt **five** questions in all, selecting **one** question from each Unit. Question No. **1** is compulsory. All questions carry equal marks.

Compulsory Question

1. Answer briefly : 8×2=16
- (a) Pollution
 - (b) Reclamation of ground water
 - (c) Effluent
 - (d) Biomass
 - (e) Biogas
 - (f) Vermin composting
 - (g) Metal recovery
 - (h) Plastic waste.

UNIT-I

2. Define Hazardous waste. Discuss its sources and management. 16

5098/K/533/50

P. T. O.

3. Write short notes on the following : 8,8
- (a) Resource recovery
 - (b) Incineration.

UNIT-II

4. Explain the manufacturing process and characteristics of waste generated from Dairy Industry. Also discuss its treatment and disposal methods. 16
5. Discuss the properties of industrial waste. What are the characteristics and disposal methods used to treat the waste generated from Atomic Energy Plant? 16

UNIT-III

6. Discuss the methods for recovery of by-products and raw material from waste water conversion. 16
7. Write notes on the following 8,8
- (a) Biomass for energy
 - (b) Agriculture Reuse of effluent.

UNIT-IV

8. Give an account of Hazardous waste (Management and Handling) Rules, 1989. 16
9. Discuss the provisions under Biomedical Waste (Management and Handling) Rules, 1998. 16

5098/K/533/50

2