

Roll No.

3731

**B. Tech. 8th Semester (Electronics &
Communication Engg.)
Examination – May, 2023**

SOLID & HAZARDOUS WASTE MANAGEMENT

Paper : OEC-CE-402-G

Time : Three Hours]

[Maximum Marks : 75

Before answering the questions, candidates should ensure that they have been supplied the correct and complete question paper. No complaint in this regard, will be entertained after examination.

Note : Attempt five questions in all, by selecting one question from each Unit. Question No. 1 is compulsory.

1. (a) What are the sources of solid waste ?
- (b) What is the meaning of processing of solid waste ?
- (c) What are undesirable effects of combustion ?
- (d) Explain composting.
- (e) What are disposal options ?

5 × 3 = 15

UNIT – I

2. What are the properties of solid waste. ? Also explain determination of solid waste. 15
3. Explain measurements and methods to measure Solid Waste Quantities. 15

UNIT – II

4. Explain processing of Solid Waste at residence, commercial & industrial site. 15
5. What do you mean by combustion and energy recovery of municipal solid waste ? 15

UNIT – III

6. Give definition, identification and classification of Hazardous Solid Waste. 15
7. What are the principles of biodegradation of toxic waste ? 15

UNIT – IV

8. Explain fundamental sources, measures and health effects of Radioactive Waste. 15
 9. Explain environmental & Human Health issues related with E-waste. 15
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