

CSWATT/July/2025

ASSIGNMENT BOOKLET

**CERTIFICATE IN SOLID WASTE TREATMENT TECHNIQUES
(CSWATT)**

Last date for submission

31st October



**School of Engineering and Technology
Indira Gandhi National Open University
Maidan Garhi, New Delhi - 110068**

Dear Learners,

As you are aware, a weight-age of 30% has been earmarked for continuous evaluation which would consist of **Tutor Marked Assignment** for each course, BWA001, BWA002, BWA003 and BWA004 of this program. Learners are required to score minimum 40 marks out of 100 marks in assignment of each course. Submit assignment response to **Programme Coordinator (CSWATT), Block C, School of Engineering & Technology, Indira Gandhi National Open University, Maidan Garhi, New Delhi - 110068**

INSTRUCTIONS FOR SUBMITTING ASSIGNMENTS

Before attempting the assignment, please read the following instructions carefully:

- 1) On top of the first page of TMA answer sheet, please write the details exactly in the following format:

	Enrolment no:
	Name:
	Address:
Course code:	
Course title:	
Assignment code:	
Study centre:	Date:

Please follow the above format to facilitate evaluation and to avoid delay.

- 2) Use full size paper for writing your answers.
- 3) Leave 4 cm margin on the left, top and bottom of your answer sheet.
- 4) Answers should be precise.
- 5) While solving problems, clearly indicate the question number along with the part being solved, if any. Recheck your work before submitting it.

Assignments received after the due date shall not be accepted. We strongly feel that learner should retain a copy of assignment response to avoid any unforeseen situation and append, if possible.

Course Code: BWA003

Title of the Course: Solid Waste Processing and Treatment Techniques

Assignment Code: BWA003/TMA/ July/2025

Maximum Marks: 100

Note: All questions are compulsory. All questions carry equal marks.

1. Discuss the role of recovery and recycling in the solid waste management.
2. Why does it make sense to recycle the components of electronic wastes? Explain.
3. List the points to be considered in the evaluation of various options before adopting a source reduction policy.
4. Discuss the Ash handling process in detail.
5. What are the main products of Incineration Process? Describe Dioxins and Furans.
6. What is Flue Gas? Describe the process for Flue gas cleaning in brief.
7. What are osmosis and reverse osmosis process? Write the difference between osmosis and reverse osmosis.
8. How does the process of neutralization help in the treatment of hazardous waste? Explain.
9. Enlist various types of mining wastes. What are the advantages and disadvantages of mining waste?
10. What are the product(s) of does pyrolysis? Discuss the advantages and disadvantages of pyrolysis.