

CSWATT/Jan/2026

ASSIGNMENTBOOKLET

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

Lastdateforsubmission

31thMarch



**SchoolofEngineeringandTechnology
IndiraGandhiNationalOpenUniversity
MaidanGarhi,NewDelhi-110068**

Dear Learners,

As you are aware, a weightage of 30% has been earmarked for continuous evaluation which would consist of **Tutor Marked Assignment** for each course, BWA-001, BWA-002, BWA-003 and BWA-004 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**

A feedback form is enclosed with this assignment. Please complete it after solving this assignment and send it to the Course Coordinator (CSWATT) on the address specified on the feedback form.

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 no.:	
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 4cm 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.

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

WE WISH GOOD LUCK!

Course Code: BWA-002
Title of the Course: Solid Wastes Collection and Transportation
Assignment Code: BWA-002/TMA/Jan/2026
Maximum Marks: 100

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

1. What are various considerations to be made in the design of a waste collection system?
2. Write short notes on the different kinds of community waste storage systems.
3. Compare and contrast semi-compaction vehicles and compaction vehicles.
4. Write information that should be collected and updated regularly for planning of solid waste collection.
5. Why is it important to assess the feasibility for the waste processing and disposal at the time of waste collection planning and scheduling?
6. Explain about various components of Investment Costs for waste management plan?
7. What are the different types of revenues that can be incurred from waste management?
8. Explain various type of loaders used for transportation of solid waste.
9. What are the various strategies for route optimization?
10. A town having population of 134659 with solid waste generation rate of 450 gm/capita/day uses a landfill for managed total waste/day with total income and expenditure cost Rs. 4/kg of waste. Calculate the tipping fee rate.