

## LESSON PLAN

**Name of the Faculty:** Dr. Anita Girdhar

**Discipline:** M.Sc Physics /M.Sc.Chem/BASW

**Semester:** Third

**Subject:** Waste Management in Our daily Life

**Lesson plan duration:** 12 weeks

Week	Theory	
	Lecture day	Topic
1	1	What is waste? Sources of waste generation
	2	Composition and classification of waste
	3	Sorting and segregation of waste at source of generation
2	4	Waste collection – sample collection bins
	5	Storage of waste
	6	Transport of waste
3	7	Doubts and Discussions
	8	Class test 1
	9	Waste prevention at home
4	10	Waste recycling at home
	11	Waste prevention small communities
	12	Waste recycling by small communities
5	13	Reduce, recycle and reuse
	14	Doubts and Discussion
	15	Class test 2
6	16	Waste processing
	17	Size reduction
	18	Volume reduction
7	19	Safe disposal of waste;
	20	Open dumping, problems of open dumping
	21	Problems of open burning of waste
8	22	Doubts and Discussion
	23	Class test 3
	24	Landfill
9	25	Diseases associated with waste handling
	26	Best practices for solid waste disposal
	27	Doubts and Discussion
10	28	Class test 4
	29	Composting
	30	Vermicomposting
11	31	Anaerobic digestion- Preparation of biogas and manure from waste
	32	Doubts and Discussion
	33	Class test 5
12	34	Waste to energy – pyrolysis
	35	Refuse derived fuels
	36	Doubts and Class test 6

