CIVIL ENGINEERING

QUESTION BANK

Course Title : **SOLIDWASTEMANAGEMENT**

Course Code : **23CE716**

Regulation : **NR23**

UNIT–II

Engineering Systems for Solid Waste Management

S.No		Questions	BT	CO	PO
Part – A (Short Answer Questions)					
1		Define solid waste generation rate.	L2	CO2	2
2		What is on-site handling of solid waste?	L6	CO2	4
3		Mention the objectives of waste storage	L1	CO2	4
4		Define source segregation.	L5	CO2	2
5		What are stationary container systems?	L2	CO2	4
6		What are hauled container systems?	L5	CO2	1
7		List the factors affecting waste collection efficiency.	L2	CO2	6
8		What is route planning in waste collection?	L5	CO2	5
9		Define transfer station.	L6	CO2	6
10		Mention any four solid waste processing techniques.	L1	CO2	1
Part – B (Long Answer Questions)					
11	a)	Explain the factors influencing solid waste generation.	L5	CO2	2
	b)	Discuss on-site handling and storage methods of solid waste.	L5	CO2	1
12	a)	Explain source segregation and its advantages.	L2	CO2	2
	b)	Describe collection systems used in municipal solid waste management.	L2	CO2	4
13	a)	Compare stationary container systems and hauled container systems.	L5	CO2	6
	b)	Discuss equipment used in waste collection and transportation.	L2	CO2	2
14	a)	Explain route planning and optimization techniques in waste collection.	L4	CO2	2
	b)	Describe the need and functions of transfer stations.	L6	CO2	2
15	a)	Discuss transfer and transport operations in solid waste management.	L2	CO2	1
	b)	Explain various processing techniques used for municipal solid waste.	L2	CO2	2
16	a)	Discuss the design considerations for efficient collection and transportation systems.	L6	CO2	1
	b)	Explain integrated collection, transfer, and transportation systems with suitable illustrations	L5	CO2	2