

CIVIL ENGINEERING

QUESTION BANK

Course Title : SOLIDWASTEMANAGEMENT

Course Code : 23CE716

Regulation : NR23

UNIT-IV

Landfills

S.No	Questions	BT	CO	PO
Part - A (Short Answer Questions)				
1	Define landfill.	L1	CO4	2
2	What is sanitary landfill?	L4	CO4	6
3	List different types of landfills.	L1	CO4	2
4	What is landfill liner?	L4	CO4	6
5	Define leachate.	L5	CO4	3
6	What are the sources of landfill gas?	L1	CO4	2
7	What is landfill monitoring?	L4	CO4	3
8	Define landfill reclamation.	L4	CO4	2
9	What factors affect landfill life?	L1	CO4	6
10	Mention any four landfill problems.	L5	CO4	1
Part - B (Long Answer Questions)				
1	a) Explain the evolution of landfill technology.	L5	CO4	6
1	b) Discuss different types of landfills and their suitability.	L1	CO4	2
1	a) Describe the construction methodology of sanitary landfills.	L4	CO4	2
2	b) Explain the design considerations for modern landfills.	L1	CO4	2
1	a) Discuss methods for estimating landfill life.	L1	CO4	2
3	b) Explain various operational problems associated with landfills.	L4	CO4	2
1	a) Describe landfill lining systems and their functions.	L5	CO4	6
4	b) Compare different types of landfill liners.	L1	CO4	4
1	a) Explain leachate generation, characteristics, and control measures.	L1	CO4	4
5	b) Discuss landfill gas generation and management techniques.	L1	CO4	4
1	a) Explain landfill monitoring systems and environmental safeguards.	L5	CO4	2
6	b) Describe landfill reclamation and closure procedures with examples.	L1	CO4	2