

Model Question Paper 2022 scheme (CBCS)

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Sixth Semester B.E. Degree Examination INTEGRATED WASTE MANAGEMENT FOR A SMART CITY

TIME: 03 Hours

Max. Marks: 100

Note: 01. Answer any **FIVE** full questions, choosing at least **ONE** question from each **MODULE**.

		Module - I	Marks	BL	CO
Q.1	(a)	Explain about the waste generation rates in a society.	10	2	1
	(b)	Describe about the waste physical, chemical and biological characteristics of Solid waste.	10	2	1
OR					
Q.2	(a)	Enumerate the waste recycling options and recovery method adopted in waste management.	10	2	1
	(b)	Describe about the waste to energy technologies and landfilling.	10	2	1
Module - II					
Q.3	(a)	Differentiate between Nagpur and Bangalore method of Composting.	10	2	1
	(b)	As a Engineer in Corporation, explain the salient features of MSW Rules 2016.	10	3	2
OR					
Q.4	(a)	Explain about the Swatch Bharath Mission and its SDG target.	10	2	1
	(b)	Summarise the phases involved in anaerobic digestion of solid waste.	10	3	2
Module - III					
Q.5	(a)	Explain about the Energy Recovery methods from Municipal Solid Waste.	10	2	2
	(b)	Discuss on the current issues in Solid Waste Management .	10	3	2
OR					
Q.6	(a)	Describe on MSW Management Status in selected few Smart Cities of our Country.	10	2	2
	(b)	Summarize on the biochemical processes of MSW used in Smart Cities.	10	3	2

Module – IV					
Q.7	(a)	Describe the Beneficial Reuse of C&D Waste Materials wrt sustainable development	10	2	2
	(b)	Explain about the C & D Waste – Regulations.	10	3	2
OR					
Q.8	(a)	Explain the duties of waste generators as per C & D Waste Management Rules 2016.	10	2	2
	(b)	Summarise the Overview of C&D Waste Management.	10	3	2
Module – V					
Q.9	(a)	Discuss about the Issues and Status of E-waste in India and Global scenario.	10	2	3
	(b)	Summarise the features of , E-Waste Management Rules 2016 .	10	3	4
OR					
Q.10	(a)	Describe the E-Waste Management Rules 2016 implementation challenges.	10	2	3
	(b)	As a Engineer in corporation, explain about the Electronic Waste (E-Waste) and its Management.	10	3	4