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Sixth Semester B.E. Degree Examination, July/August 2022 Solid Waste Management																		
Tin	ne: (3 hrs.									20	•			Ċ	Max	. M	larks: 100
	N	ote: A	1 <i>ns</i> w	ver a	ny .	FIV	Έf	ull qu	estion	is, ch	oosing	ONE ful	l que	stion	fron	n each	mo	dule.
		_									dule-1			X	/			
1	a.							-			n a nea	it schema	atic d	liagra	am e	xplain	the	functional (10 Marks)
	elements of Solid Waste Management.(10 Marks)b. Estimate the moisture content of a solid sample with the following composition based on																	
		100	kg o	f san						Dem		1	1.4 1	1				
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2	a.	Brie	flv e	xnla	in F	Phys	ical	and	Chemi		OR paracte	ristics of	Solid	l Wa	ste)		(10 Marks)
-	b.		•	-		-		~ _				agement						(10 Marks) (10 Marks)
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3	a.	Expl	lain t	the p	roc	ess	ofN	Aunic	ipal Ir		<mark>dule-2</mark> ation w	vith the ne	eat sk	cetch	•			(10 Marks)
	b.										technic	ques:						
		i)] ii)]							uction			6						(10 Marks)
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4	a. (Writ	e a n	note (on .	Air	Poll	ution	metho		OR of its co	ontrol on	incin	erati	on			(10 Marks)
•	b.	Writ	e a s	hort	not	te of	n th	-	owing					erau	0111			(10 1/14/145)
		i) 3						hanic	al volu	ime re	eductio	n						(10 Marks)
		II) C	շտու	Jacti	ng) y I		lance										(10 Marks)
_		DC			ど		г	1 • .	1		dule-3	1 ·						
5	a. b.								the fac			g aerobic	com	ipost	ing.			(10 Marks)
		i) E						5	U			method.						(10 Marks)
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6	a.						xpla	in the	e facto		-	t be cons	sidere	ed in	eval	uating	pot	ential solid
	h	wast Disc		-			σm	nethod	ls of I	and f	illing :							(10 Marks)
	0.						-	metho			-	Ramp me	thod.					(10 Marks)
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_		Module-4	
7	a.	Explain the different classifications of hazardous waste and its method of dispose	al. (10 Marks)
	b.	Explain briefly the biomedical waste categories and treatment techniques.	(10 Marks)
		OR	
8	a.	Write a short note on:	
		i) Construction Waste Management.ii) E Waste Management	(10 Marks)
	b.	Describe Lechate and its movement. Explain the control of Lechate movement.	(10 Marks) (10 Marks)
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9		Explain any four types of Incinerators.	(20 Marks)
,		Explain any four types of momentatis.	(20 Marks)
10	a. b.	OR Define Pyrolysis. Briefly explain the process of Pyrolysis. Write a short note on: i) Co-generation System in SWM	(10 Marks)
		ii) Energy recovery from Solid Waste Management.	(10 Marks)
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